

V. Balasubramanian

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEx enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS	28	Mar 20	EVENTLINE will be removed from STN
NEWS	29	Mar 24	PATDPAFULL now available on STN
NEWS	30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	31	Apr 11	Display formats in DGENE enhanced
NEWS	32	Apr 14	MEDLINE Reload
NEWS	33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS	35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	36	Apr 28	RDISCLOSURE now available on STN
NEWS	37	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),		

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AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:45:23 ON 07 MAY 2003

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:45:30 ON 07 MAY 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 MAY 2003 HIGHEST RN 511508-58-0

DICTIONARY FILE UPDATES: 6 MAY 2003 HIGHEST RN 511508-58-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>

Uploading C:\STNEXP4\QUERIES\100266512.str

10/026,651

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L1 STRUCTURE UPLOADED

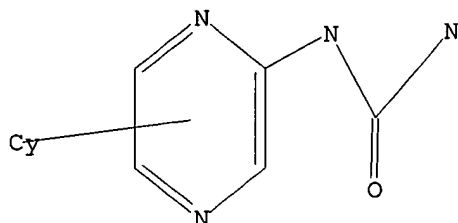
=> que L1

L2 QUE L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss aam

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 17:45:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 50 TO ITERATE

100.0% PROCESSED 50 ITERATIONS

5 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 576 TO 1424

PROJECTED ANSWERS: 5 TO 234

L3 5 SEA SSS SAM L1

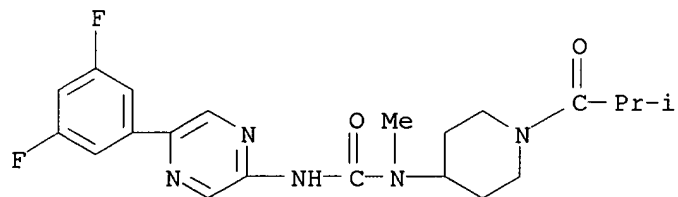
=> d scan

L3 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)- (9CI)

MF C21 H25 F2 N5 O2

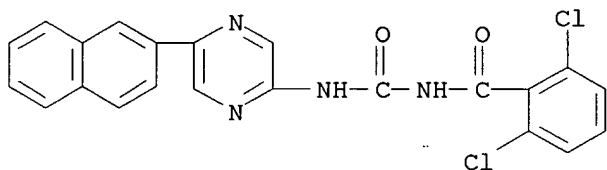
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

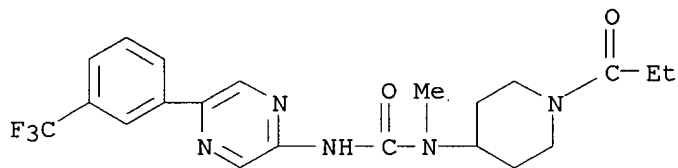
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):4

L3 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzamide, 2,6-dichloro-N-[[[5-(2-naphthalenyl)pyrazinyl]amino]carbonyl]-
(9CI)
MF C22 H14 Cl2 N4 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

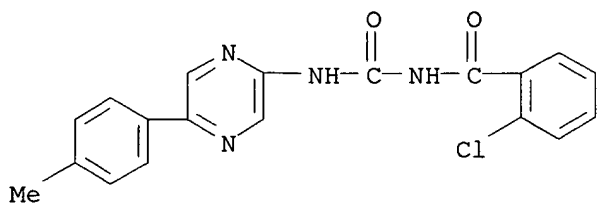
L3 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 4-Piperidinamine, N-methyl-1-(1-oxopropyl)-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI)
MF C21 H24 F3 N5 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

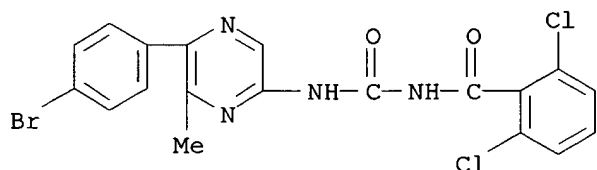
L3 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzamide, 2-chloro-N-[[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]-
(9CI)
MF C19 H15 Cl N4 O2

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 5 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-
dichloro- (9CI)
MF C19 H13 Br Cl2 N4 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> s l1 sss ful
FULL SEARCH INITIATED 17:46:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 949 TO ITERATE

100.0% PROCESSED 949 ITERATIONS 139 ANSWERS
SEARCH TIME: 00.00.01

L4 139 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
148.55	148.76

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 17:46:25 ON 07 MAY 2003
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FILE COVERS 1907 - 7 May 2003 VOL 138 ISS 19
FILE LAST UPDATED: 6 May 2003 (20030506/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14
L5

45 L4

=> d 15 1-45 bib hitstr

L5 ANSWER 1 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 2002:695962 CAPLUS
DN 137:232680

TI Preparation of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication

IN Keegan, Kathleen S.; Kesicki, Edward A.; Gaudino, John Joseph; Cook, Adam Wade; Cowen, Scott Douglas; Burgess, Laurence Edward

PA Icos Corporation, USA

SO PCT Int. Appl., 236 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002070494	A1	20020912	WO 2002-US6452	20020301
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	US 2003069284	A1	20030410	US 2002-87715	20020301

PRAI US 2001-273124P P 20010302

OS MARPAT 137:232680

IT **457099-23-9P**, 1-(5,6-Diphenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-24-0P**, 1-[3-Benzyl-5-(4-methoxyphenyl)pyrazin-2-yl]-3-(2-methoxy-5-methylphenyl)urea **457099-47-7P**, 1-(3-Bromo-5-phenylpyrazin-2-yl)-3-(2-methoxy-5-methylphenyl)urea **457099-48-8P**, 1-(2-Methoxy-5-methylphenyl)-3-(5-phenylpyrazin-2-yl)urea **457100-02-6P**, N-(2-Methoxy-5-methylphenyl)-N'-(6-phenyl-2-pyrazinyl)urea
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

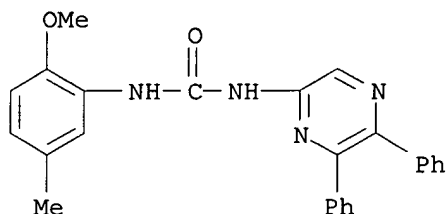
V. Balasubramanian

(Uses)

(prepn. of aryl and heteroaryl urea selective Chk1 inhibitors for use as radiosensitizers and chemosensitizers for treating diseases and conditions related to DNA damage or lesions in DNA replication)

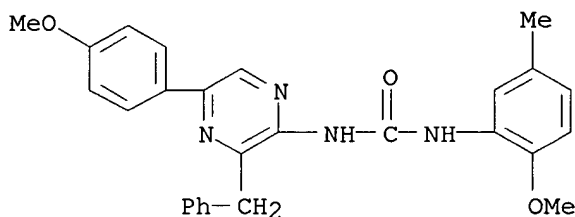
RN 457099-23-9 CAPLUS

CN Urea, N-(5,6-diphenylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



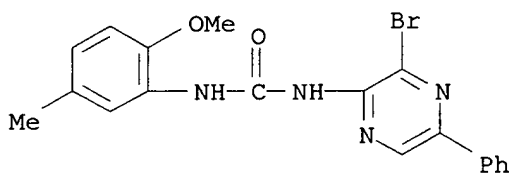
RN 457099-24-0 CAPLUS

CN Urea, N-(2-methoxy-5-methylphenyl)-N'-[5-(4-methoxyphenyl)-3-(phenylmethyl)pyrazinyl]- (9CI) (CA INDEX NAME)



RN 457099-47-7 CAPLUS

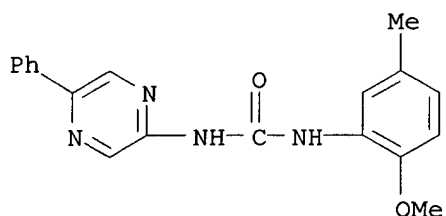
CN Urea, N-(3-bromo-5-phenylpyrazinyl)-N'-(2-methoxy-5-methylphenyl)- (9CI) (CA INDEX NAME)



RN 457099-48-8 CAPLUS

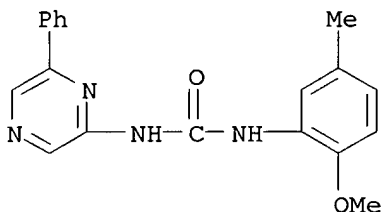
CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(5-phenylpyrazinyl)- (9CI) (CA INDEX NAME)

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RN 457100-02-6 CAPLUS

CN Urea, N-(2-methoxy-5-methylphenyl)-N'-(6-phenylpyrazinyl)- (9CI) (CA INDEX NAME)



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2002:487401 CAPLUS

DN 137:47125

TI N-heteroaryl-N'-heterocyclylureas as neuropeptide Y Y5 receptor antagonists

IN Stamford, Andrew W.; Dong, Youhao; McCombie, Stuart W.

PA Schering Corporation, USA

SO PCT Int. Appl., 127 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002049648	A1	20020627	WO 2001-US49302	20011217
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	AU 2002034056	A5	20020701	AU 2002-34056	20011217
	US 2003055062	A1	20030320	US 2001-26651	20011218
PRAI	US 2000-257308P	P	20001221		
	WO 2001-US49302	W	20011217		
OS	MARPAT 137:47125				

Applicant

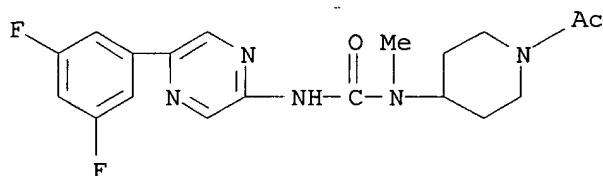
IT 438584-51-1P 438584-52-2P 438584-53-3P
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 438584-90-8P 438584-91-9P 438584-92-0P
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 438584-96-4P 438584-97-5P 438584-98-6P
 438584-99-7P 438585-00-3P 438585-01-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(n-heteroaryl-N'-heterocyclylureas as neuropeptide Y Y5 receptor antagonists)

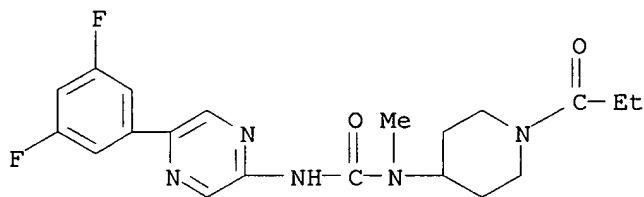
RN 438584-51-1 CAPLUS

CN 4-Piperidinamine, 1-acetyl-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-52-2 CAPLUS

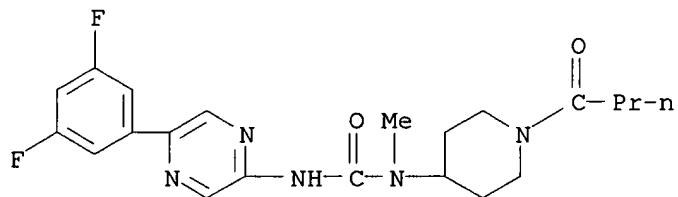
CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(1-oxopropyl)- (9CI) (CA INDEX NAME)



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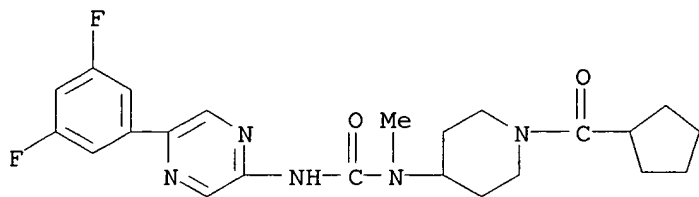
CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(1-oxobutyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian



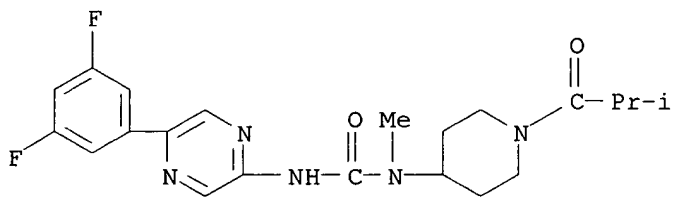
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CN 4-Piperidinamine, 1-(cyclopentylcarbonyl)-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



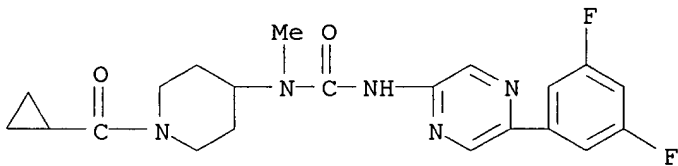
RN 438584-55-5 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)- (9CI) (CA INDEX NAME)



RN 438584-56-6 CAPLUS

CN 4-Piperidinamine, 1-(cyclopropylcarbonyl)-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)

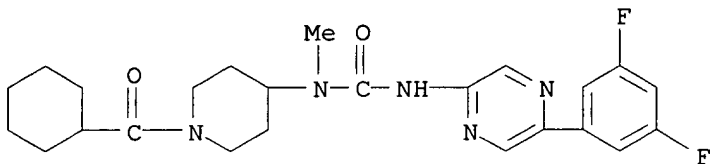


RN 438584-57-7 CAPLUS

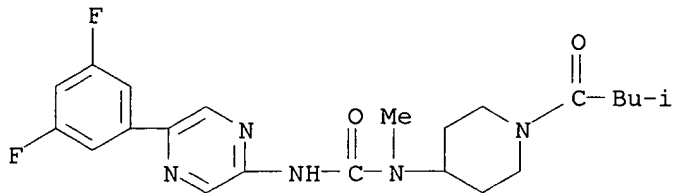
CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-1-(methoxyacetyl)-N-methyl- (9CI) (CA INDEX NAME)

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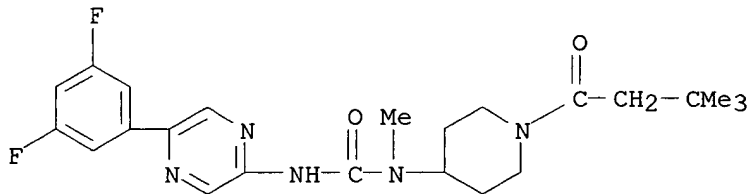
CN	4-Piperidinamine, 1-(cyclohexylcarbonyl)-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-	(9CI)	(CA INDEX NAME)
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CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(3-methyl-1-oxobutyl)- (9CI) (CA INDEX NAME)

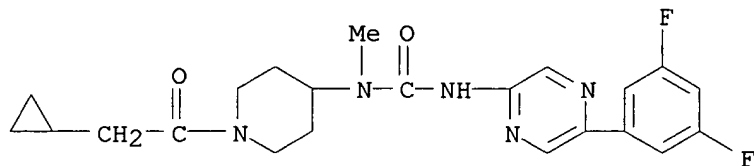


CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-1-(3,3-dimethyl-1-oxobutyl)-N-methyl- (9CI) (CA INDEX NAME)



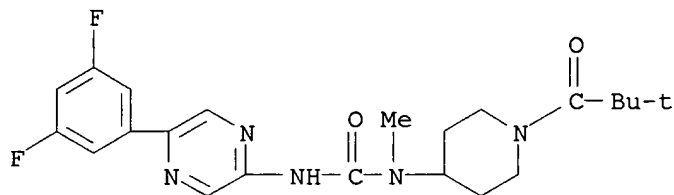
CN	4-Piperidinamine, 1-(cyclopropylacetyl)-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-	(9CI)	(CA INDEX NAME)
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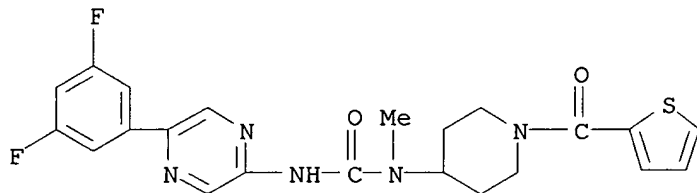
RN 438584-62-4 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-1-(2,2-dimethyl-1-oxopropyl)-N-methyl- (9CI) (CA INDEX NAME)



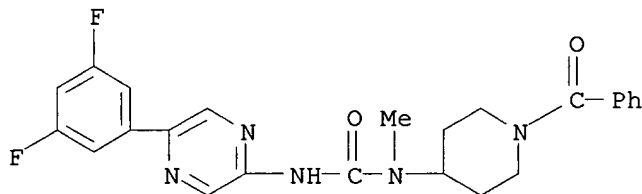
RN 438584-63-5 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-thienylcarbonyl)- (9CI) (CA INDEX NAME)



RN 438584-64-6 CAPLUS

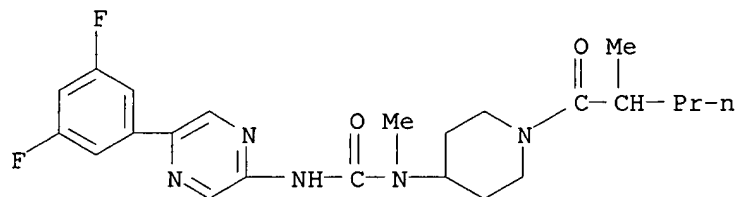
CN 4-Piperidinamine, 1-benzoyl-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-65-7 CAPLUS

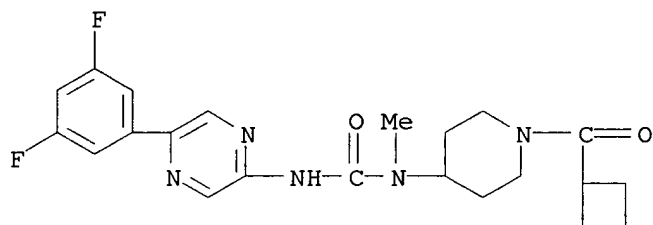
CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopentyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian



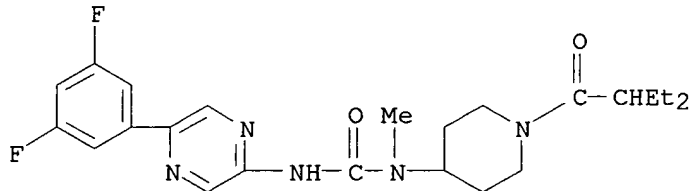
RN 438584-66-8 CAPLUS

CN 4-Piperidinamine, 1-(cyclobutylcarbonyl)-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



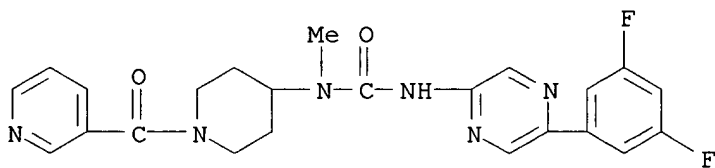
RN 438584-67-9 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-1-(2-ethyl-1-oxobutyl)-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-68-0 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(3-pyridinylcarbonyl)- (9CI) (CA INDEX NAME)

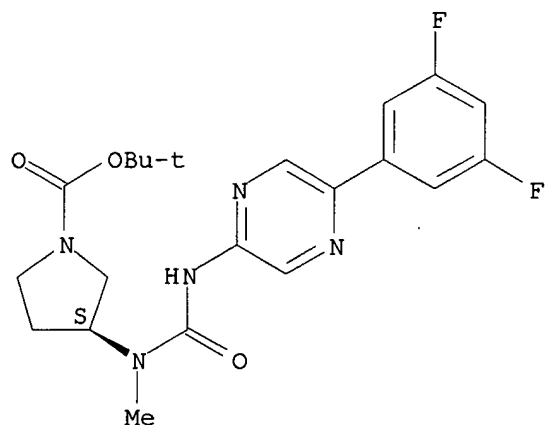


RN 438584-69-1 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]methylamino]-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

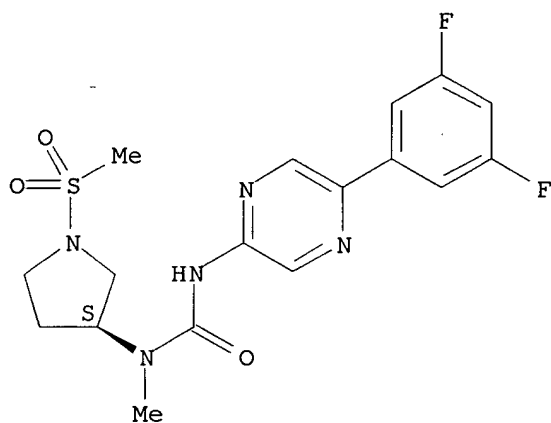
V. Balasubramanian



RN 438584-70-4 CAPLUS

CN 3-Pyrrolidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methanesulfonyl)-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

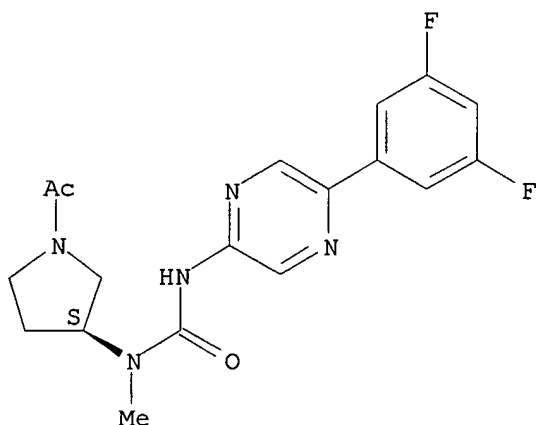


RN 438584-71-5 CAPLUS

CN 3-Pyrrolidinamine, 1-acetyl-N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

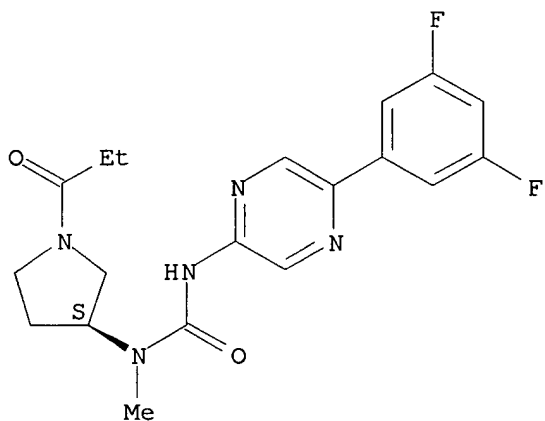
V. Balasubramanian



RN 438584-72-6 CAPLUS

CN 3-Pyrrolidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(1-oxopropyl)-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

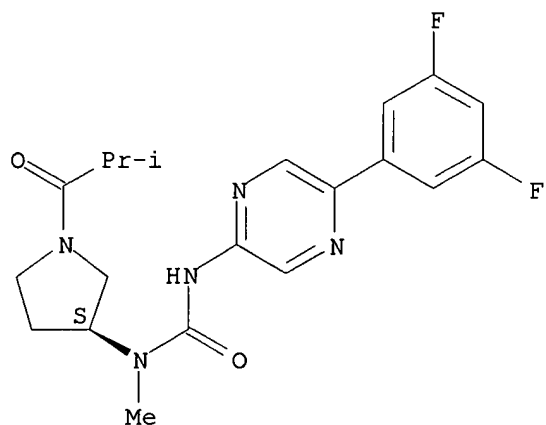


RN 438584-73-7 CAPLUS

CN 3-Pyrrolidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)-, (3S)- (9CI) (CA INDEX NAME)

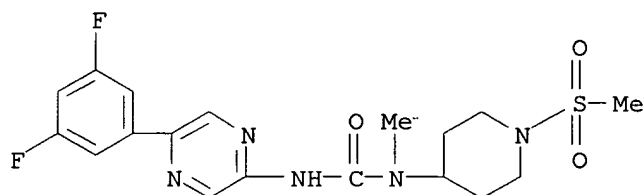
Absolute stereochemistry.

V. Balasubramanian



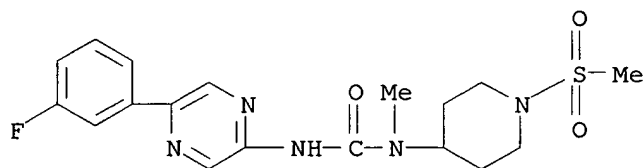
RN 438584-74-8 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)



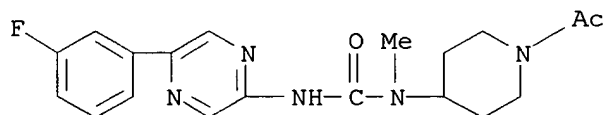
RN 438584-75-9 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-fluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methylsulfonyl)- (9CI) (CA INDEX NAME)



RN 438584-76-0 CAPLUS

CN 4-Piperidinamine, 1-acetyl-N-[[[5-(3-fluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)

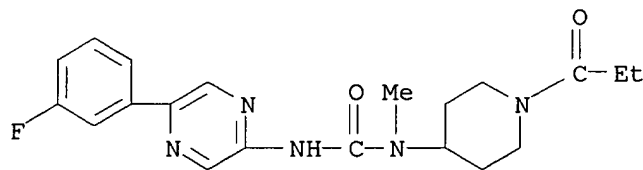


RN 438584-77-1 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-fluorophenyl)pyrazinyl]amino]carbonyl]-N-

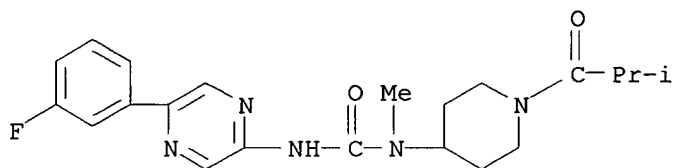
V. Balasubramanian

methyl-1-(1-oxopropyl)- (9CI) (CA INDEX NAME)



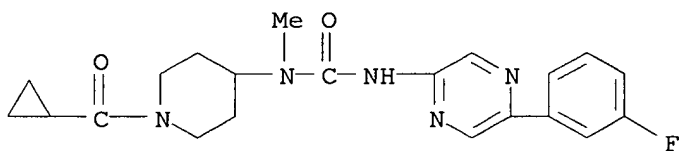
RN 438584-78-2 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-fluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)- (9CI) (CA INDEX NAME)



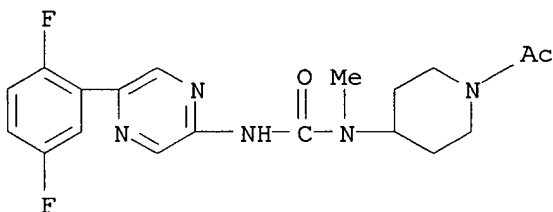
RN 438584-79-3 CAPLUS

CN 4-Piperidinamine, 1-(cyclopropylcarbonyl)-N-[[[5-(3-fluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-80-6 CAPLUS

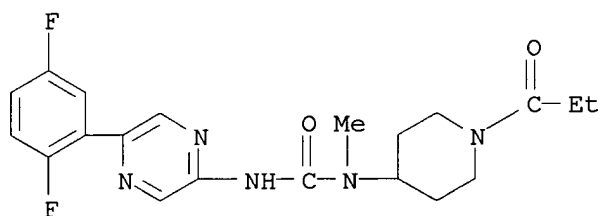
CN 4-Piperidinamine, 1-acetyl-N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-81-7 CAPLUS

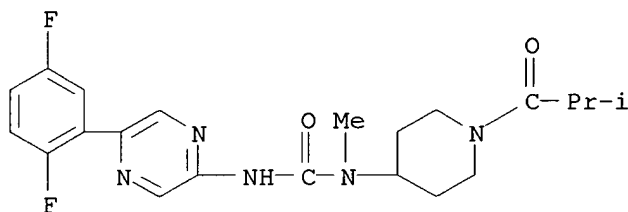
CN 4-Piperidinamine, N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(1-oxopropyl)- (9CI) (CA INDEX NAME)

V. Balasubramanian



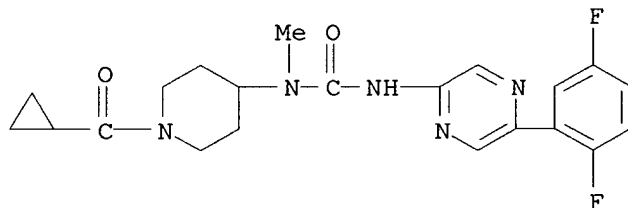
RN 438584-82-8 CAPLUS

CN 4-Piperidinamine, N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)- (9CI) (CA INDEX NAME)



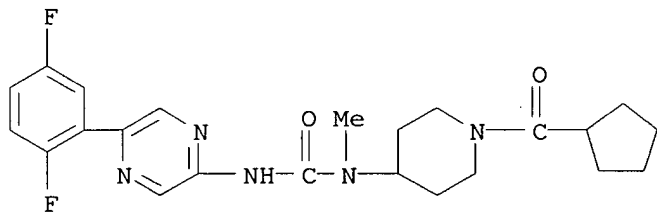
RN 438584-83-9 CAPLUS

CN 4-Piperidinamine, 1-(cyclopropylcarbonyl)-N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-84-0 CAPLUS

CN 4-Piperidinamine, 1-(cyclopentylcarbonyl)-N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl- (9CI) (CA INDEX NAME)

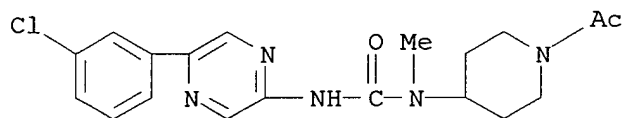


RN 438584-85-1 CAPLUS

CN 4-Piperidinamine, 1-acetyl-N-[[[5-(3-chlorophenyl)pyrazinyl]amino]carbonyl]

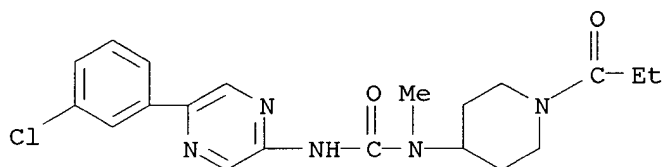
V. Balasubramanian

] -N-methyl- (9CI) (CA INDEX NAME)



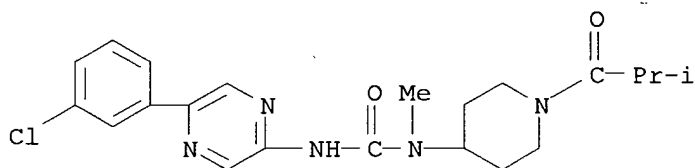
RN 438584-86-2 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-chlorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(1-oxopropyl)- (9CI) (CA INDEX NAME)



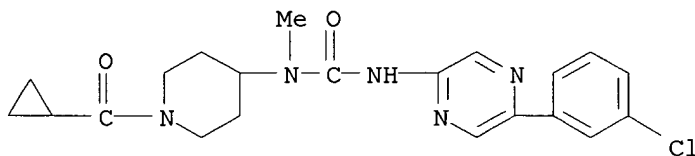
RN 438584-87-3 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-chlorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(2-methyl-1-oxopropyl)- (9CI) (CA INDEX NAME)



RN 438584-88-4 CAPLUS

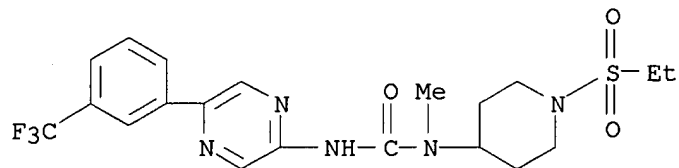
CN 4-Piperidinamine, N-[[[5-(3-chlorophenyl)pyrazinyl]amino]carbonyl]-1-(cyclopropylcarbonyl)-N-methyl- (9CI) (CA INDEX NAME)



RN 438584-89-5 CAPLUS

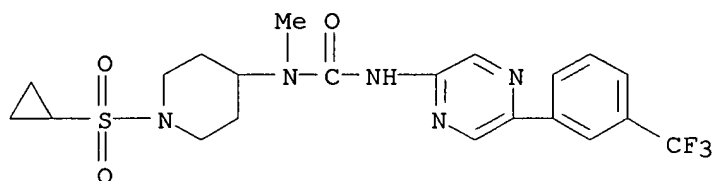
CN 4-Piperidinamine, 1-(ethylsulfonyl)-N-methyl-N-[[[5-(3-(trifluoromethyl)phenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

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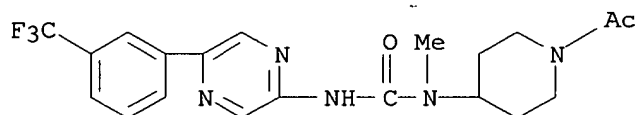
RN 438584-90-8 CAPLUS

CN 4-Piperidinamine, 1-(cyclopropylsulfonyl)-N-methyl-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



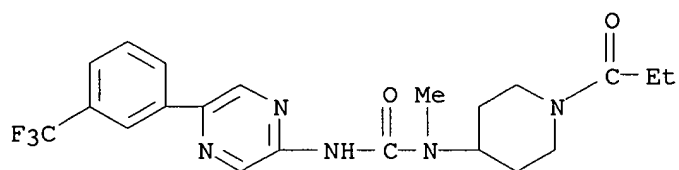
RN 438584-91-9 CAPLUS

CN 4-Piperidinamine, 1-acetyl-N-methyl-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



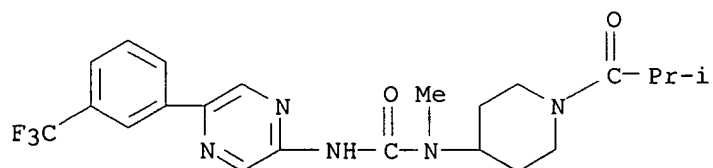
RN 438584-92-0 CAPLUS

CN 4-Piperidinamine, N-methyl-1-(1-oxopropyl)-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 438584-93-1 CAPLUS

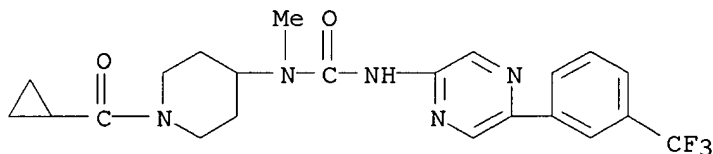
CN 4-Piperidinamine, N-methyl-1-(2-methyl-1-oxopropyl)-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



V. Balasubramanian

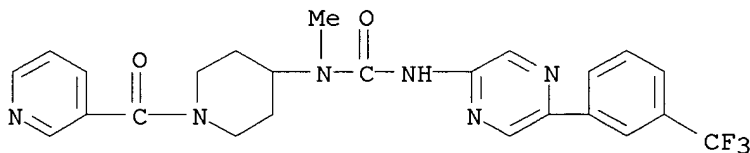
RN 438584-94-2 CAPLUS

CN 4-Piperidinamine, 1-(cyclopropylcarbonyl)-N-methyl-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



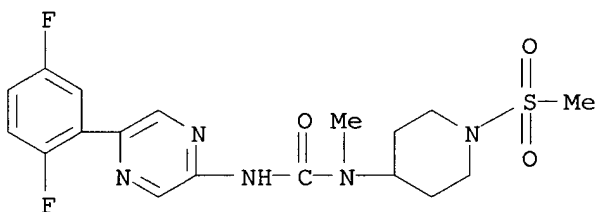
RN 438584-95-3 CAPLUS

CN 4-Piperidinamine, N-methyl-1-(3-pyridinylcarbonyl)-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



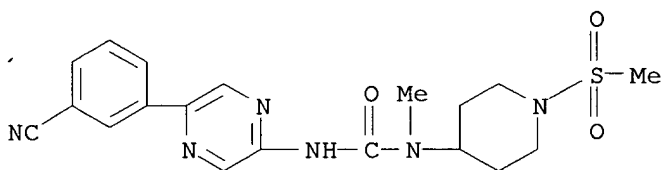
RN 438584-96-4 CAPLUS

CN 4-Piperidinamine, N-[[[5-(2,5-difluorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methanesulfonyl)- (9CI) (CA INDEX NAME)



RN 438584-97-5 CAPLUS

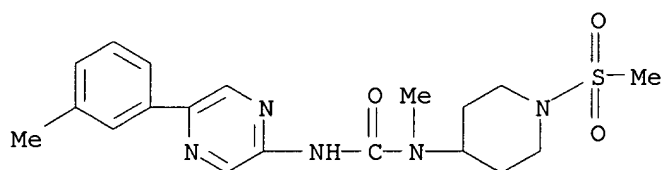
CN 4-Piperidinamine, N-[[[5-(3-cyanophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methanesulfonyl)- (9CI) (CA INDEX NAME)



RN 438584-98-6 CAPLUS

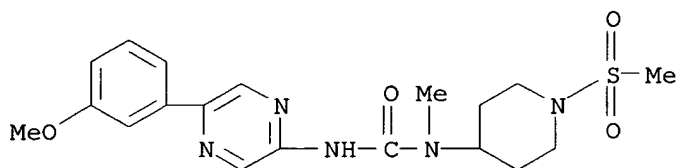
CN 4-Piperidinamine, N-methyl-N-[[[5-(3-methylphenyl)pyrazinyl]amino]carbonyl]-1-(methanesulfonyl)- (9CI) (CA INDEX NAME)

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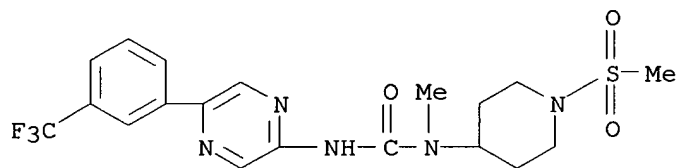
RN 438584-99-7 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-methoxyphenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methanesulfonyl)- (9CI) (CA INDEX NAME)



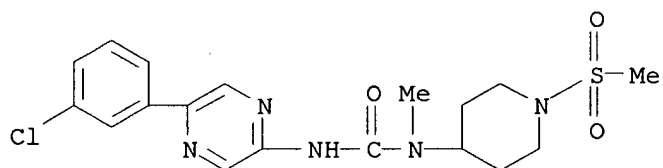
RN 438585-00-3 CAPLUS

CN 4-Piperidinamine, N-methyl-1-(methanesulfonyl)-N-[[[5-(3-(trifluoromethyl)phenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 438585-01-4 CAPLUS

CN 4-Piperidinamine, N-[[[5-(3-chlorophenyl)pyrazinyl]amino]carbonyl]-N-methyl-1-(methanesulfonyl)- (9CI) (CA INDEX NAME)



IT **438585-81-0P 438585-82-1P**

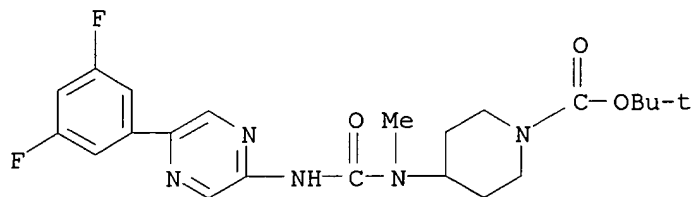
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(n-heteroaryl-N'-heterocyclureas as neuropeptide Y Y5 receptor antagonists)

RN 438585-81-0 CAPLUS

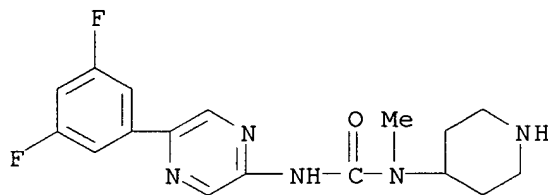
CN 1-Piperidinecarboxylic acid, 4-[[[5-(3,5-difluorophenyl)pyrazinyl]amino]carbonyl]methylamino]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

V. Balasubramanian



RN 438585-82-1 CAPLUS

CN Urea, N'-[5-(3,5-difluorophenyl)pyrazinyl]-N-methyl-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1998:634387 CAPLUS

DN 129:316195

TI Facile synthesis of some new pyrazolo[3,4-b]pyrazines and their antifungal activity

AU El-Emary, T. I.; El-Dean, A. M. Kamal; El-Kashef, H. S.

CS Chemistry Department, Faculty of Science, Assiut University, Assiut, 71516, Egypt

SO Farmaco (1998), 53(6), 383-388

CODEN: FRMCE8; ISSN: 0014-827X

PB Elsevier Science S.A.

DT Journal

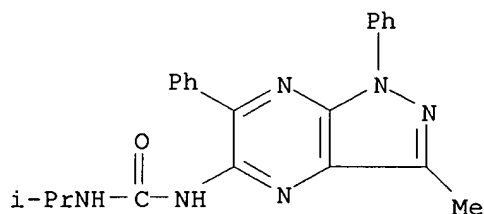
LA English

IT **214914-41-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and antifungal activity of pyrazolopyrazines)

RN 214914-41-7 CAPLUS

CN Urea, N-(3-methyl-1,6-diphenyl-1H-pyrazolo[3,4-b]pyrazin-5-yl)-N'-(1-methylethyl)- (9CI) (CA INDEX NAME)



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

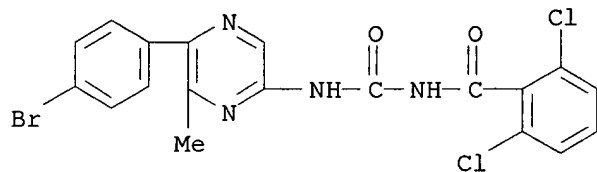
L5 ANSWER 4 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1997:190080 CAPLUS
DN 126:182672
TI Insecticidal compositions with both knock-down and long-lasting effect
IN Mrusek, Klaus; Schuette, Manfred-Heinrich
PA Bayer A.-G., Germany
SO Ger. Offen., 22 pp.
CODEN: GWXXBX

DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19605773	A1	19970220	DE 1996-19605773	19960216
	WO 9706687	A1	19970227	WO 1996-EP3455	19960805
	W: AU, BB, BG, BR, BY, CA, CN, CZ, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, TR, UA, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9667424	A1	19970312	AU 1996-67424	19960805
	AU 706903	B2	19990701		
	EP 845944	A1	19980610	EP 1996-927686	19960805
	EP 845944	B1	20001115		
	R: BE, DE, ES, FR, GR, IT, NL, PT				
	CN 1198657	A	19981111	CN 1996-197416	19960805
	CN 1089554	B	20020828		
	JP 11511152	T2	19990928	JP 1996-508896	19960805
	BR 9610228	A	20000328	BR 1996-10228	19960805
	ES 2152550	T3	20010201	ES 1996-927686	19960805
	US 6270784	B1	20010807	US 1998-11451	19980210
PRAI	DE 1995-19530075	A1	19950816		
	DE 1996-19605773	A	19960216		
	WO 1996-EP3455	W	19960805		
IT	59489-59-7D , mixts. with pyrethroids				
	RL: AGR (Agricultural use); BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(insecticidal compns. with both knock-down and long-lasting effect)				
RN	59489-59-7 CAPLUS				
CN	Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)				

V. Balasubramanian



L5 ANSWER 5 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1995:541426 CAPLUS

DN 122:290892

TI Preparation of diphenylpyrazine derivatives as herbicides

IN Yanai, Toshiaki; Tsukamoto, Yoshihisa; Sakamoto, Takashi; Teramura, Masahiro; Pponma, Toyokuni

PA Sankyo Co, Japan

SO Jpn. Kokai Tokkyo Koho, 28 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07033752	A2	19950203	JP 1993-176525	19930716
PRAI	JP 1993-176525		19930716		

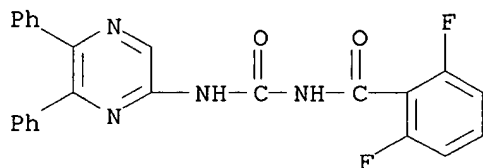
OS MARPAT 122:290892

IT **162928-66-7P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of diphenylpyrazine derivs. as herbicides)

RN 162928-66-7 CAPLUS

CN Benzamide, N-[[(5,6-diphenylpyrazinyl) amino] carbonyl]-2,6-difluoro- (9CI) (CA INDEX NAME)



L5 ANSWER 6 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1991:2235 CAPLUS

DN 114:2235

TI Evaluation of the control of mosquitoes with insect growth regulators

AU Ho, Chau Mei; Wu, Shy Huey; Wu, Chin Chen

CS Dep. Parasitol., Natl. YangMing Med. Coll., Taipei, 11221, Taiwan

SO Gaoxiong Yixue Kexue Zazhi (1990), 6(7), 366-74

CODEN: KHHCE2; ISSN: 0257-5655

DT Journal

LA English

IT **59489-59-7**, EL-494

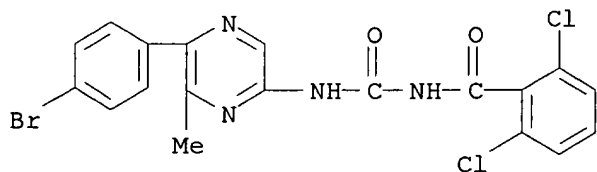
RL: BIOL (Biological study)

V. Balasubramanian

(mosquito control by, in ditches and containers)

RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



X

L5 ANSWER 7 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1990:50616 CAPLUS

DN 112:50616

TI Synergistic insecticides containing insect growth inhibitors

IN Narasaki, Mitsutoshi; Morita, Hisao; Fujisaki, Takayoshi

PA Mikasa Chemical Industrial Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01016706	A2	19890120	JP 1987-173368	19870711
	JP 2533880	B2	19960911		
PRAI	JP 1987-173368		19870711		

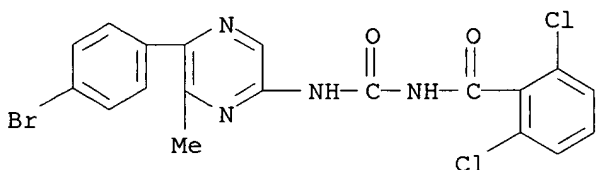
IT **59489-59-7**, EL-494 **69816-57-5**, L-7063

RL: BIOL (Biological study)

(as insect growth inhibitor, synergistic insecticide contg.)

RN 59489-59-7 CAPLUS

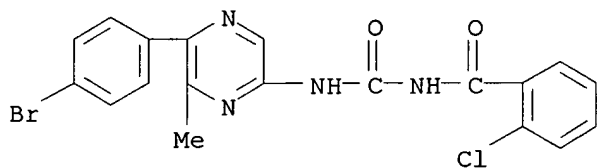
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



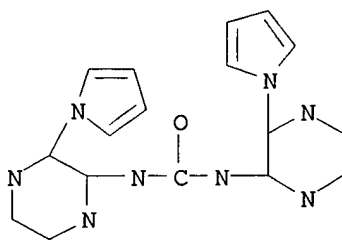
X

RN 69816-57-5 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:515020 CAPLUS
 DN 105:115020
 TI 5,6-Dihydro-6-oxopyrido[2,3-e]pyrrolo[1,2-a]pyrazine and
 5,6-dihydro-6-oxopyrazino[2,3-e]pyrrolo[1,2-a]pyrazine
 AU Lancelot, Jean Charles; Laduree, Daniel; Robba, Max
 CS Lab. Chim. Therapeut., Univ. Caen, Caen, 14032, Fr.
 SO Chemical & Pharmaceutical Bulletin (1985), 33(8), 3122-8
 CODEN: CPBTAL; ISSN: 0009-2363
 DT Journal
 LA French
 OS CASREACT 105:115020
 IT **104149-50-0P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 104149-50-0 CAPLUS
 CN Urea, N,N'-bis[3-(1H-pyrrol-1-yl)pyrazinyl]- (9CI) (CA INDEX NAME)

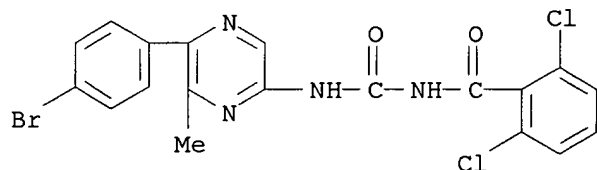


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 9 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:456291 CAPLUS
 DN 105:56291
 TI Effects of chitin synthesis inhibitors on incorporation of nucleosides
 into DNA and RNA in a cell line from Manduca sexta (L.)
 AU Klitschka, G. E.; Mayer, R. T.; Droleskey, R. E.; Norman, J. O.; Chen, A.
 C.
 CS Agric. Res. Serv., US Dep. Agric., College Station, TX, 77841, USA
 SO Toxicology (1986), 39(3), 307-15
 CODEN: TXCYAC; ISSN: 0300-483X
 DT Journal
 LA English
 IT **59489-59-7**
 RL: BIOL (Biological study)
 (nucleoside incorporation into DNA and RNA of insect cells response to,
 chitin formation inhibition in relation to)
 RN 59489-59-7 CAPLUS

V. Balasubramanian

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 10 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1984:606058 CAPLUS

DN 101:206058

TI Joint action of a juvenile hormone analog with benzoylphenylureas ingested by western spruce budworm, *Choristoneura occidentalis* (Lepidoptera:Tortricidae)

AU Robertson, Jacqueline L.; Smith, Kimberly C.; Granett, Jeffrey; Retnakaran, Arthur

CS Pac. Southwest For. Range Exp. Stn., U.S. Dep. Agric., Berkeley, CA, 94701, USA

SO Canadian Entomologist (1984), 116(8), 1063-8
CODEN: CAENAF; ISSN: 0008-347X

DT Journal

LA English

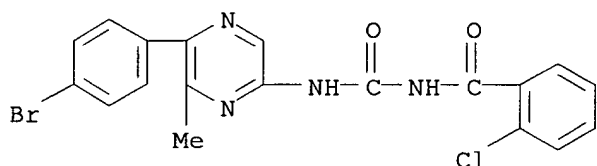
IT **69816-57-5**

RL: BIOL (Biological study)

(methoprene interaction with, against Western spruce budworm)

RN 69816-57-5 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 11 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1984:116316 CAPLUS

DN 100:116316

TI Multiresidue analysis of some insect growth regulators by reversed-phase high-performance liquid chromatography

AU Feng, C. C.; Sundaram, K. M. S.

CS Can. For. Serv., Environ. Canada, Sault Ste. Marie, ON, P6A 5M7, Can.

SO Journal of Liquid Chromatography (1984), 7(1), 95-109
CODEN: JLCHD8; ISSN: 0148-3919

DT Journal

LA English

IT **59489-59-7 69816-57-5**

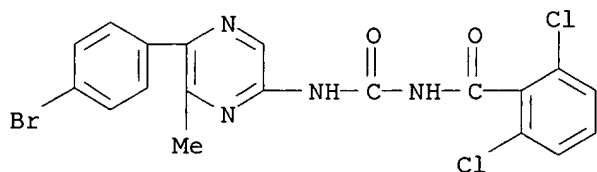
RL: ANT (Analyte); ANST (Analytical study)

(detn. of, by reversed-phase high-performance liq. chromatog.)

V. Balasubramanian

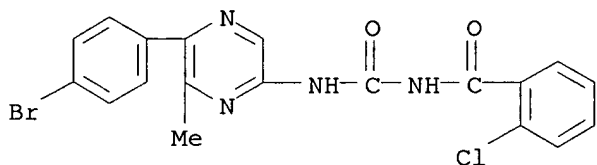
RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 69816-57-5 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 12 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1983:438437 CAPLUS

DN 99:38437

TI Pteridines. LXXIII. Reactivity of lumazine 5- and 8-oxides and 5,8-dioxides

AU Perez-Rubalcaba, Alfredo; Pfleiderer, Wolfgang

CS Fak. Chem., Univ. Konstanz, Konstanz, D-7750, Fed. Rep. Ger.

SO Liebigs Annalen der Chemie (1983), (5), 852-9

CODEN: LACHDL; ISSN: 0170-2041

DT Journal

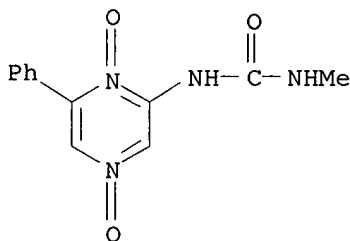
LA German

IT 86295-05-8P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN 86295-05-8 CAPLUS

CN Urea, N-(1,4-dioxido-6-phenylpyrazinyl)-N'-methyl- (9CI) (CA INDEX NAME)

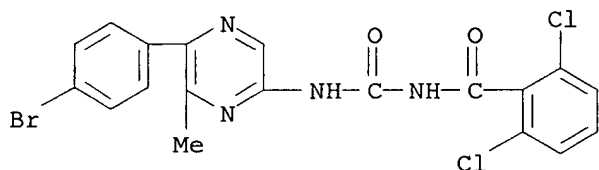


L5 ANSWER 13 OF 45 CAPLUS COPYRIGHT 2003 ACS

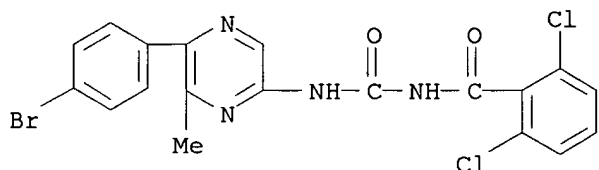
10/026,651

V. Balasubramanian

AN 1983:160359 CAPLUS
DN 98:160359
TI A possible generalized cleavage reaction for mono- or disubstituted phenylureas reacted with perfluoroanhydrides
AU Worobey, B. L.; Webster, G. R. B.
CS Food Res. Div., Health and Welfare Canada, Ottawa, ON, K1A 0L2, Can.
SO International Journal of Environmental Analytical Chemistry (1983), 14(2), 99-103
CODEN: IJEAA3; ISSN: 0306-7319
DT Journal
LA English
OS CASREACT 98:160359
IT **59489-59-7**
RL: RCT (Reactant); RACT (Reactant or reagent)
(cleavage of, with perfluoroacetic anhydride)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



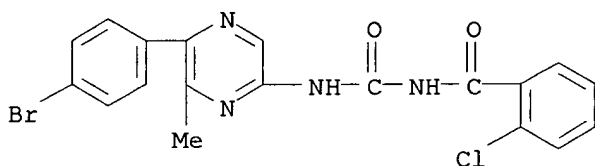
L5 ANSWER 14 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1982:594567 CAPLUS
DN 97:194567
TI Biological impact of contact insecticides and insect growth regulators on isolated stages of the greenhouse whitefly (Homoptera: Aleyrodidae)
AU Collman, G. L.; All, J. N.
CS Dep. Entomol., Univ. Georgia, Athens, GA, 30602, USA
SO Journal of Economic Entomology (1982), 75(5), 863-7
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **59489-59-7**
RL: BIOL (Biological study)
(greenhouse whitefly control by, developmental stage in relation to)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



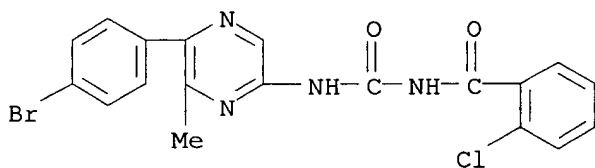
L5 ANSWER 15 OF 45 CAPLUS COPYRIGHT 2003 ACS

V. Balasubramanian

AN 1982:594535 CAPLUS
DN 97:194535
TI Toxicity of experimental molt inhibitors to western spruce budworm
AU Robertson, Jacqueline L.
CS Forest Serv., USDA, Berkeley, CA, 94701, USA
SO Journal of the Georgia Entomological Society (1982), 17(3), 413-16
CODEN: GENSAB; ISSN: 0016-8238
DT Journal
LA English
IT **69816-57-5**
RL: PRP (Properties)
(toxicity of, to western spruce budworm)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



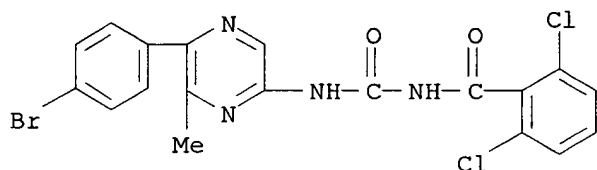
L5 ANSWER 16 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN- 1982:212513 CAPLUS
DN 96:212513
TI Advances in chemical control of the sciarid fly, *Lycoriella mali*
AU Cantelo, William W.
CS Veg. Lab., Beltsville Agric. Res. Cent., Beltsville, MD, 20705, USA
SO Mushroom Science (1981), 11(Pt. 2), 255-64
CODEN: MUSCAU; ISSN: 0077-2364
DT Journal
LA English
IT **69816-57-5**
RL: BIOL (Biological study)
(sciarid fly control by, in mushrooms)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



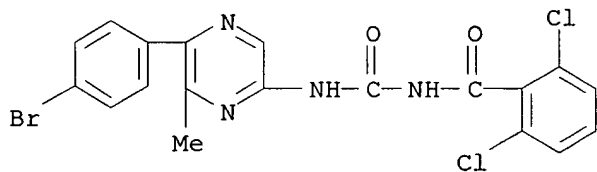
L5 ANSWER 17 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1982:195049 CAPLUS
DN 96:195049
TI Fate of an insect growth regulator EL-494 in soybean callus tissue, soybean plants and gypsy moth larvae

V. Balasubramanian

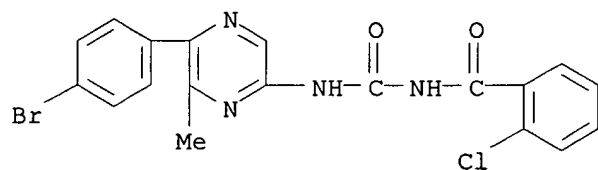
AU AbdelMonem, Abdalla E.; Mumma, Ralph O.
CS Dep. Entomol., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Journal of Agricultural and Food Chemistry (1982), 30(3), 536-42
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English
IT **59489-59-7**
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(metab. of, in plants and gypsy moth larvae)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



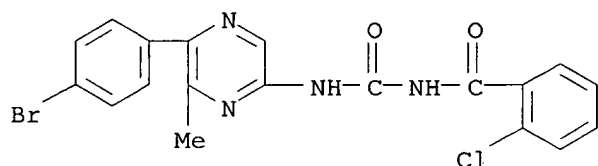
L5 ANSWER 18 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1982:176090 CAPLUS
DN 96:176090
TI Toxicology and efficacy of insect growth regulators aerially applied against the spruce budworm at Hearst (1978), Wawa (1979), and the French River area (1980)
AU Retnakaran, Arthur
CS For. Pest Manage. Inst., Sault Ste., ON, Can.
SO Rep. FPM-X - For. Pest Manage. Inst. (1981), FPM-X-45, 70 pp.
CODEN: RFFID4; ISSN: 0704-772X
DT Report
LA English
IT **59489-59-7 69816-57-5**
RL: BIOL (Biological study)
(spruce budworm response to, in aerial application)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 19 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 1982:64161 CAPLUS
 DN 96:64161
 TI Biological activities of two new substituted benzamides against mosquitoes and nontarget organisms
 AU Schaefer, C. H.; Miura, T.; Wilder, W. H.
 CS Mosquito Control Res. Lab., Univ. California, Fresno, CA, 93727, USA
 SO Journal of Economic Entomology (1981), 74(6), 658-61
 CODEN: JEENAI; ISSN: 0022-0493
 DT Journal
 LA English
 IT **69816-57-5**
 RL: BIOL (Biological study)
 (mosquito control by, toxicity in nontarget organisms and)
 RN 69816-57-5 CAPLUS
 CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 20 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 1982:35307 CAPLUS
 DN 96:35307
 TI 1-(Mono-o-substituted benzoyl)-3-(substituted pyrazinyl) ureas
 IN Miesel, John L.
 PA Lilly, Eli, and Co. , USA
 SO U.S., 15 pp. Cont.-in-part of U.S. Ser. No. 881,300, abandoned.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4293552	A	19811006	US 1979-62393	19790731
PRAI	US 1978-881300		19780227		
IT	69816-57-5P	69816-60-0P	69816-61-1P		
	69816-62-2P	69816-65-5P	69816-66-6P		
	69816-67-7P	69816-69-9P	69816-70-2P		
	69816-71-3P	69816-72-4P	69816-73-5P		
	69816-74-6P	69816-75-7P	69816-76-8P		

V. Balasubramanian

69816-77-9P 69816-78-0P 69816-79-1P

69816-80-4P 69816-81-5P 69816-82-6P

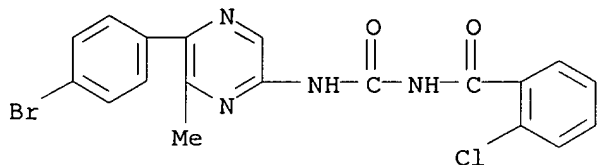
69816-83-7P 69816-84-8P 80348-72-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and insecticidal activity of)

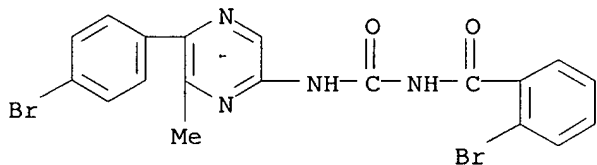
RN 69816-57-5 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



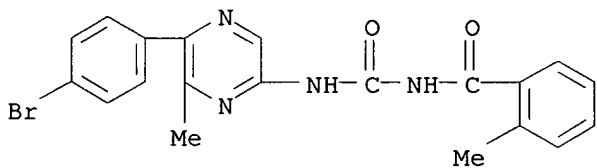
RN 69816-60-0 CAPLUS

CN Benzamide, 2-bromo-N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



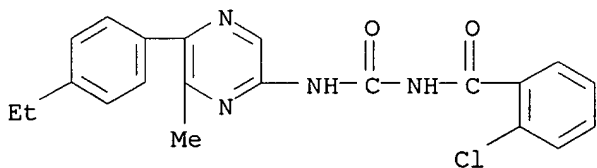
RN 69816-61-1 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 69816-62-2 CAPLUS

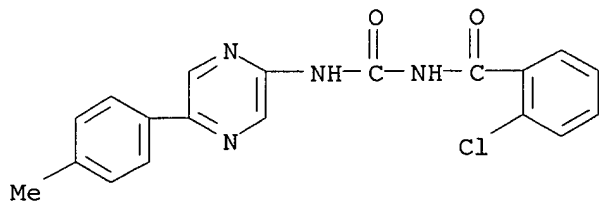
CN Benzamide, 2-chloro-N-[[[5-(4-ethylphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



V. Balasubramanian

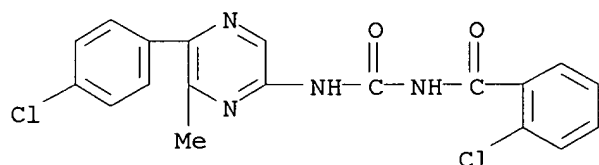
RN 69816-65-5 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



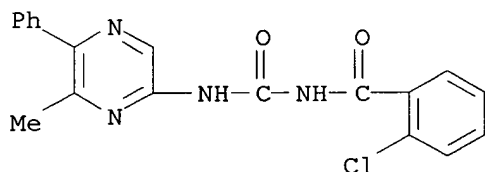
RN 69816-66-6 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



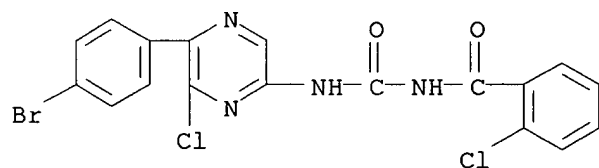
RN 69816-67-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-phenylpyrazinyl]amino]carbonyl]- (9CI)
(CA INDEX NAME)



RN 69816-69-9 CAPLUS

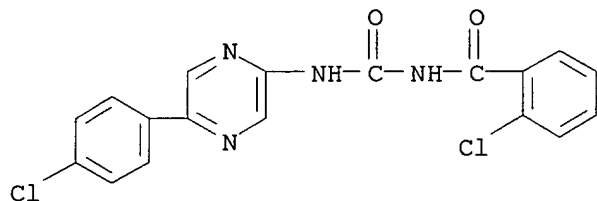
CN Benzamide, N-[[[5-(4-bromophenyl)-6-chloropyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-70-2 CAPLUS

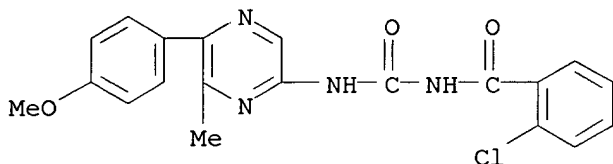
CN Benzamide, 2-chloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)

V. Balasubramanian



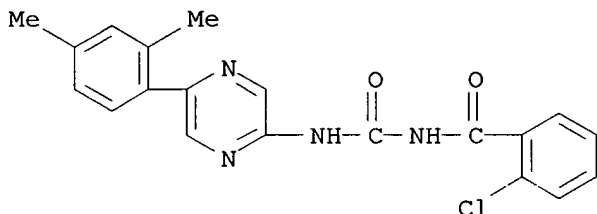
RN 69816-71-3 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



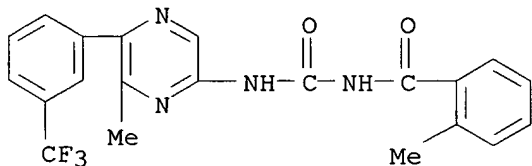
RN 69816-72-4 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-73-5 CAPLUS

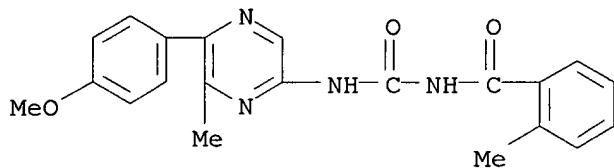
CN Benzamide, 2-methyl-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-74-6 CAPLUS

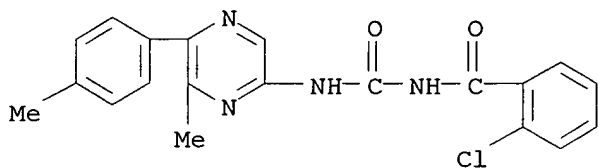
CN Benzamide, N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)

V. Balasubramanian



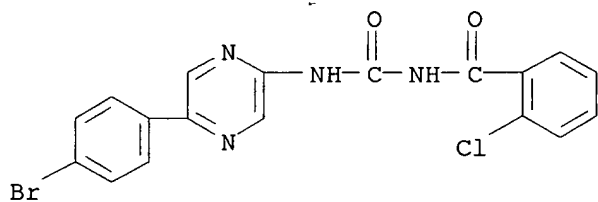
RN 69816-75-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-(4-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



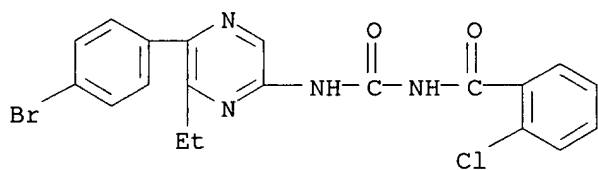
RN 69816-76-8 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)pyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-77-9 CAPLUS

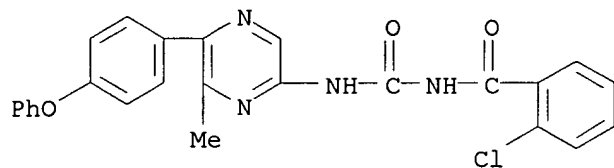
CN Benzamide, N-[[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-78-0 CAPLUS

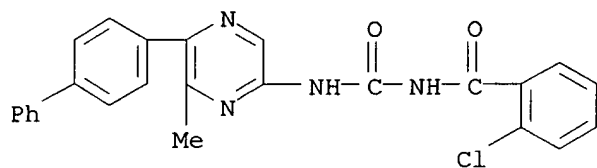
CN Benzamide, 2-chloro-N-[[[6-methyl-5-(4-phenoxyphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



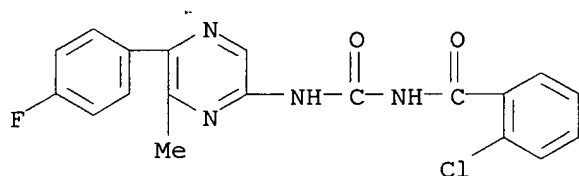
RN 69816-79-1 CAPLUS

CN Benzamide, N-[[5-[1,1'-biphenyl]-4-yl-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



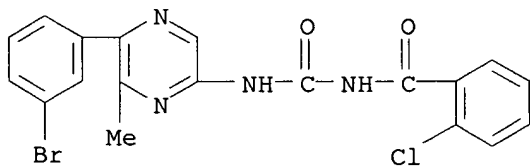
RN 69816-80-4 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-fluorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-81-5 CAPLUS

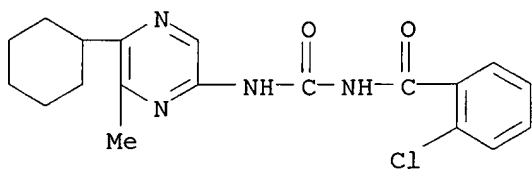
CN Benzamide, N-[[[5-(3-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-82-6 CAPLUS

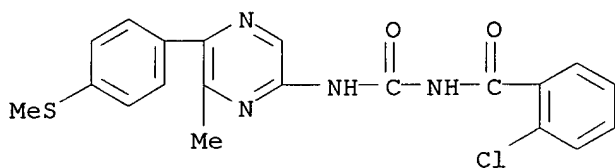
CN Benzamide, 2-chloro-N-[[[5-(cyclohexyl-6-methylpyrazinyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



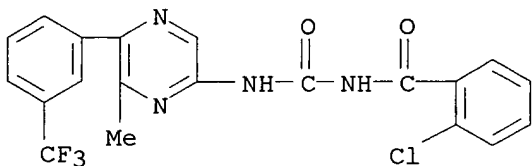
RN 69816-83-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-[4-(methylthio)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



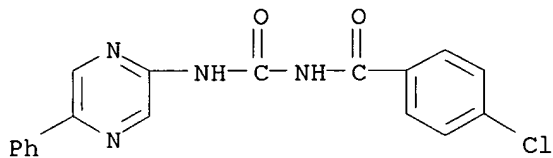
RN 69816-84-8 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 80348-72-7 CAPLUS

CN Benzamide, 4-chloro-N-[[[5-(phenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



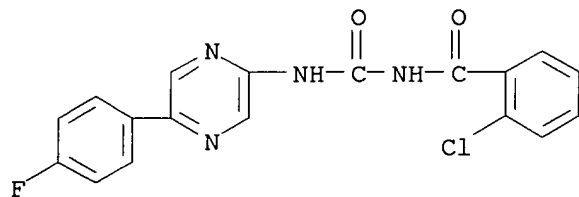
IT 69816-85-9P 69816-86-0P 69816-87-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 69816-85-9 CAPLUS

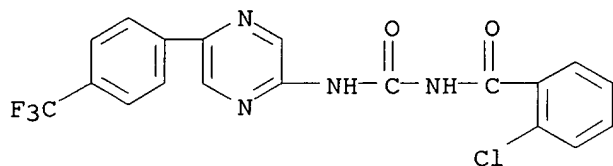
CN Benzamide, 2-chloro-N-[[[5-(4-fluorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



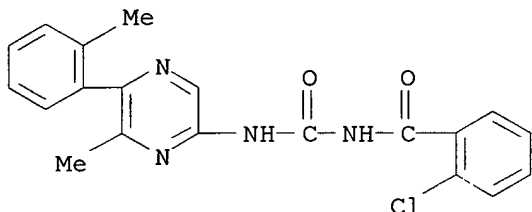
RN 69816-86-0 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-[4-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-87-1 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-(2-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 21 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1982:16055 CAPLUS

DN 96:16055

TI Toxicity, mode of action, analytical technique, and metabolism of a new molt inhibitor (EL-494)

AU AbdelMonem, Abdalla ElHussein

CS Pennsylvania State Univ., University Park, PA, USA

SO (1981) 105 pp. Avail.: Univ. Microfilms Int., Order No. 8120395

From: Diss. Abstr. Int. B 1981, 42(4), 1302

DT Dissertation

LA English

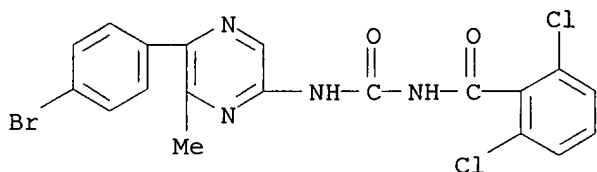
IT 59489-59-7

RL: BIOL (Biological study)
(insect ecdysis inhibitor)

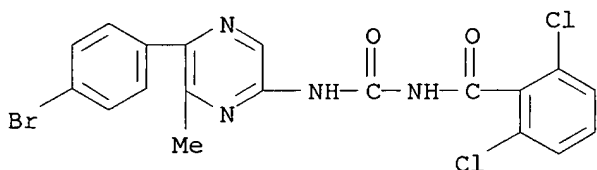
RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)

V. Balasubramanian

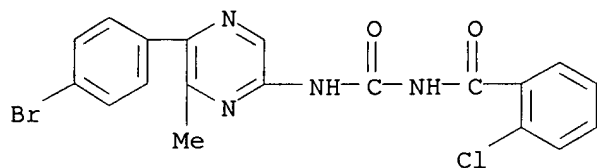


L5 ANSWER 22 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:563808 CAPLUS
DN 95:163808
TI Lethal effects of five molt inhibitors fed to the western spruce budworm
(*Choristoneura occidentalis* Freeman) (Lepidoptera:Tortricidae) and the
Douglas-fir tussock moth (*Orgyia pseudotsugata* [McDonnough])
(Lepidoptera:Lymantriidae)
AU Rappaport, N. G.; Robertson, J. L.
CS Pac. Southwest For. Range Exp. Stn., USDA, Berkeley, CA, 94701, USA
SO Zeitschrift fuer Angewandte Entomologie (1981), 91(5), 459-63
CODEN: ZANEAE; ISSN: 0044-2240
DT Journal
LA English
IT **59489-59-7**
RL: BIOL (Biological study)
(western spruce budworm and Douglas fir tussock moth response to)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-
dichloro- (9CI) (CA INDEX NAME)

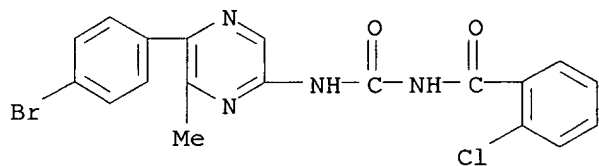


L5 ANSWER 23 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:545211 CAPLUS
DN 95:145211
TI Comparative toxicity of some molt-inhibiting insecticides to the gypsy
moth
AU Abdelmonem, Abdalla H.; Mumma, Ralph O.
CS Dep. Entomol., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Journal of Economic Entomology (1981), 74(2), 176-9
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **69816-57-5**
RL: BIOL (Biological study)
(gypsy moth molting response to)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-
chloro- (9CI) (CA INDEX NAME)

V. Balasubramanian

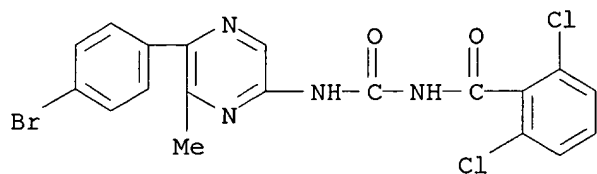


L5 ANSWER 24 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:203789 CAPLUS
DN 94:203789
TI Stability of three ureide insect chitin-synthesis inhibitors in mushroom
compost determined by chemical and bioassay techniques
AU Argauer, Robert J.; Cantelo, William W.
CS Hortic. Sci. Inst., USDA, Beltsville, MD, 20705, USA
SO Journal of Economic Entomology (1980), 73(5), 671-4
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **69816-57-5**
RL: PRP (Properties)
(stability of, in mushroom compost)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-
chloro- (9CI) (CA INDEX NAME)

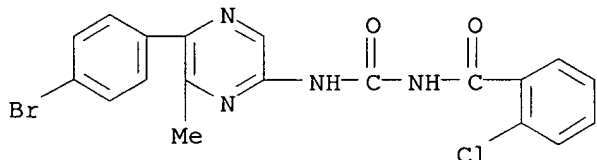


L5 ANSWER 25 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:169396 CAPLUS
DN 94:169396
TI Chitin synthesis inhibiting insect growth regulators do not inhibit chitin
synthase
AU Mayer, R. T.; Chen, A. C.; DeLoach, J. R.
CS Vet. Toxicol. Entomol. Res. Lab., Agric. Res. Sci. Educ. Adm., College
Station, TX, 77841, USA
SO Experientia (1981), 37(4), 337-8
CODEN: EXPEAM; ISSN: 0014-4754
DT Journal
LA English
IT **59489-59-7**
RL: BIOL (Biological study)
(chitin synthase from stable fly pupae response to)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-
dichloro- (9CI) (CA INDEX NAME)

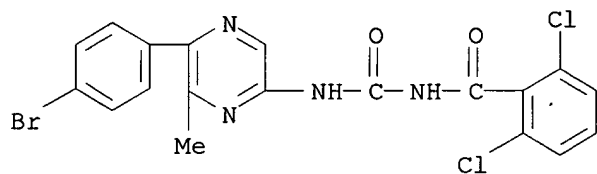
V. Balasubramanian



L5 ANSWER 26 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:151818 CAPLUS
DN 94:151818
TI Effect of 3 new molt-inhibiting insect growth regulators on the spruce budworm
AU Retnakaran, Arthur
CS Canadian For. Serv., Forest Pest Manag. Inst., Sault Ste. Marie, ON, P6A 5M7, Can.
SO Journal of Economic Entomology (1980), 73(4), 520-4
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **69816-57-5**
RL: BIOL (Biological study)
(spruce budworm control by)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 27 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1981:59622 CAPLUS
DN 94:59622
TI Development of an analytical procedure for an insect growth regulator (EL-494) employing high-pressure liquid chromatography and its application on residues in alfalfa
AU Abdel Monem, Abdalla H.; Mumma, Ralph O.
CS Dep. Entomol., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Journal of Agricultural and Food Chemistry (1981), 29(1), 75-8
CODEN: JAFCAU; ISSN: 0021-8561
DT Journal
LA English
IT **59489-59-7**
RL: ANT (Analyte); ANST (Analytical study)
(detn. of, by high-pressure liq. chromatog.)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 28 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 1980:620777 CAPLUS
 DN 93:220777
 TI Substituted 2-aminopyrazines
 IN Barnett, Charles J.; Emmick, Thomas L.; Hoying, Richard C.
 PA Lilly, Eli, and Co., USA
 SO U.S., 11 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4211870	A	19800708	US 1979-27630	19790406
	DK 8001442	A	19801007	DK 1980-1442	19800402
	FI 8001056	A	19801007	FI 1980-1056	19800402
	AU 8057102	A1	19801009	AU 1980-57102	19800402
	FR 2453159	A1	19801031	FR 1980-7457	19800402
	BR 8002079	A	19801125	BR 1980-2079	19800402
	ES 490287	A1	19810516	ES 1980-490287	19800402
	CS 215055	P	19820730	CS 1980-2293	19800402
	CA 1157860	A1	19831129	CA 1980-349061	19800402
	BE 882608	A1	19801003	BE 1980-9771	19800403
	EP 18144	A1	19801029	EP 1980-301085	19800403
	R: DE, GB, NL, SE				
	GB 2046751	A	19801119	GB 1980-11363	19800403
	GB 2046751	A1	19801119		
	DD 150057	C	19810812	DD 1980-220207	19800403
	ZA 8002005	A	19811125	ZA 1980-2005	19800403
	HU 26151	O	19830928	HU 1980-817	19800403
	SU 932989	A3	19820530	SU 1980-2902455	19800404
	RO 79384	P	19820625	RO 1980-100722	19800404
	JP 55141473	A2	19801105	JP 1980-45114	19800405
PRAI	US 1979-27630		19790406		

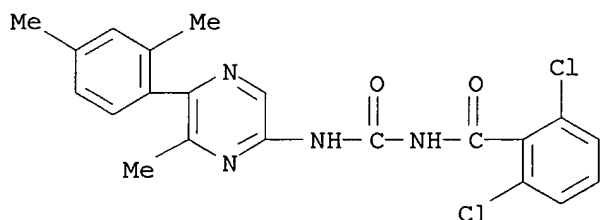
IT **75411-11-9P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

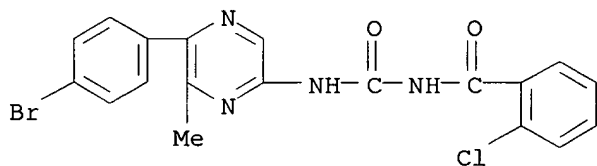
RN 75411-11-9 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2,4-dimethylphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

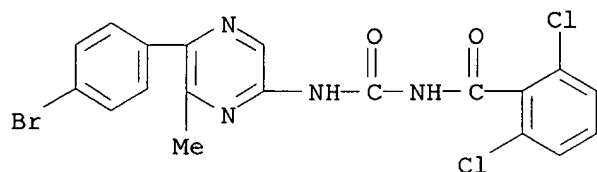
V. Balasubramanian



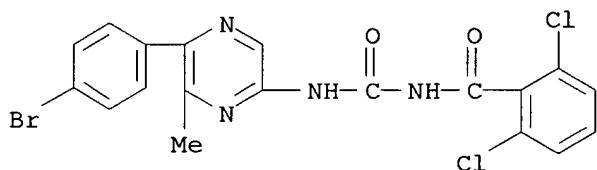
L5 ANSWER 29 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1980:599166 CAPLUS
DN 93:199166
TI Susceptibility of stored product insects to chitin inhibitors LY-131215 and LY-127063
AU Kramer, Karl J.; McGregor, Harrison E.
CS Sci. Educ. Adm., U. S. Grain Mark. Res. Lab., Manhattan, KS, 66502, USA
SO Journal of the Kansas Entomological Society (1980), 53(3), 627-30
CODEN: JKESA7; ISSN: 0022-8567
DT Journal
LA English
IT **69816-57-5**
RL: BIOL (Biological study)
(as chitin inhibitor, insects in response to)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



L5 ANSWER 30 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1980:175717 CAPLUS
DN 92:175717
TI Toxicological studies on the molt inhibiting insecticide (EL-494) against the gypsy moth and effect on chitin biosynthesis
AU Abdel-Monem, Abdalla H.; Cameron, E. Alan; Mumma, Ralph O.
CS Dep. Entomol., Pennsylvania State Univ., University Park, PA, 16802, USA
SO Journal of Economic Entomology (1980), 73(1), 22-5
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **59489-59-7**
RL: BIOL (Biological study)
(chitin formation inhibition by, in gypsy moth)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)

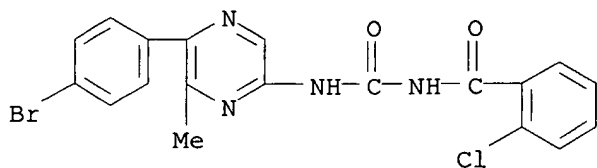


L5 ANSWER 31 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1980:158815 CAPLUS
DN 92:158815
TI Utilization of imaginal tissues from pupae of the stable fly for the study
of chitin synthesis and screening of chitin synthesis inhibitors
AU Mayer, Richard T.; Meola, Shirlee M.; Coppage, David L.; DeLoach, John R.
CS Vet. Toxicol. Entomol. Res. Lab., Sci. Educ. Adm., College Station, TX,
77840, USA
SO Journal of Economic Entomology (1980), 73(1), 76-80
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **59489-59-7**
RL: BIOL (Biological study)
(chitin synthesis inhibition by, bioassay for, using stable fly
imaginal tissue)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-
dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 32 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1980:70978 CAPLUS
DN 92:70978
TI Lycoriella mali: control in mushroom compost by incorporation of
insecticides into compost
AU Cantelo, William W.
CS Veg. Lab., Sci. Educ. Adm., Beltsville, MD, 20705, USA
SO Journal of Economic Entomology (1979), 72(5), 703-5
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **69816-57-5**
RL: BIOL (Biological study)
(Lycoriella mali control by)
RN 69816-57-5 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-
chloro- (9CI) (CA INDEX NAME)

V. Balasubramanian



L5 ANSWER 33 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1979:540598 CAPLUS

DN 91:140598

TI 1-(Substituted benzoyl)-3-(substituted pyrazinyl)ureas

IN Miesel, John L.

PA Lilly, Eli, and Co., USA

SO U.S., 19 pp.

CODEN: USXXAM

DT Patent

LA English

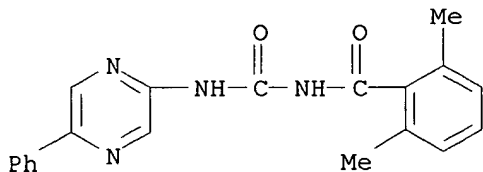
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4160834	A	19790710	US 1977-861733	19771219
	AT 7705635	A	19800615	AT 1977-5635	19770729
	AT 360800	B	19810126		
PRAI	US 1974-507492		19740919		
	US 1975-595904		19750714		
	US 1977-775813		19770309		
	AT 1975-7146		19750917		
IT	59489-51-9P	59489-52-0P	59489-55-3P		
	59489-57-5P	59489-59-7P	59489-62-2P		
	59489-63-3P	59489-64-4P	59489-65-5P		
	59489-69-9P	59489-70-2P	65234-72-2P		
	69816-33-7P	71544-70-2P	71544-71-3P		
	71544-73-5P	71544-74-6P	71544-75-7P		
	71544-76-8P	71544-77-9P	71544-78-0P		
	71544-79-1P	71544-80-4P	71553-73-6P		
	71553-74-7P	71553-75-8P	71553-76-9P		
	71553-77-0P	71562-67-9P			

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. and insecticidal activity of)

RN 59489-51-9 CAPLUS

CN Benzamide, 2,6-dimethyl-N-[(5-phenylpyrazinyl)amino]carbonyl- (9CI) (CA INDEX NAME)

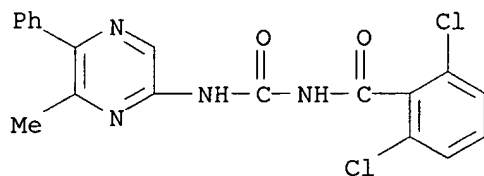


RN 59489-52-0 CAPLUS

10/026,651

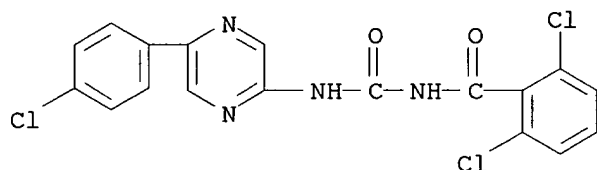
V. Balasubramanian

CN Benzamide, 2,6-dichloro-N-[[(6-methyl-5-phenylpyrazinyl) amino] carbonyl] -
(9CI) (CA INDEX NAME)



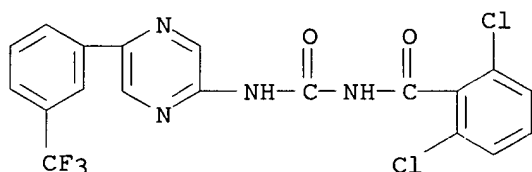
RN 59489-55-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)pyrazinyl] amino] carbonyl] -
(9CI) (CA INDEX NAME)



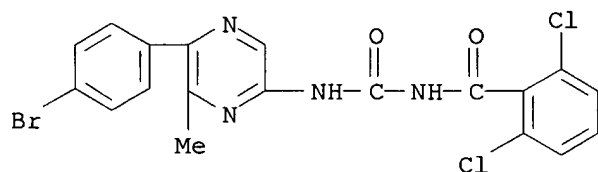
RN 59489-57-5 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl] amino] carbonyl] -
(9CI) (CA INDEX NAME)



RN 59489-59-7 CAPLUS

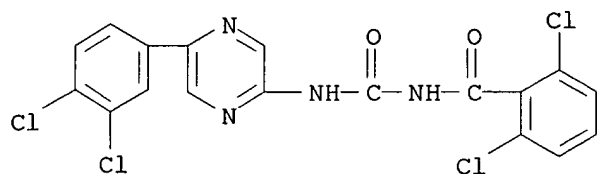
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl] amino] carbonyl] -2,6-dichloro-
(9CI) (CA INDEX NAME)



RN 59489-62-2 CAPLUS

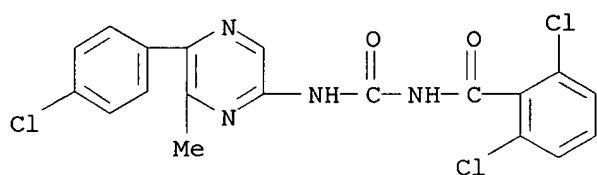
CN Benzamide, 2,6-dichloro-N-[[[5-(3,4-dichlorophenyl)pyrazinyl] amino] carbonyl] -
(9CI) (CA INDEX NAME)

V. Balasubramanian



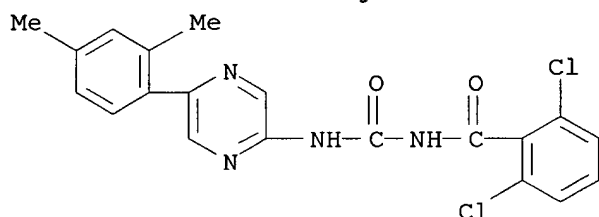
RN 59489-63-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



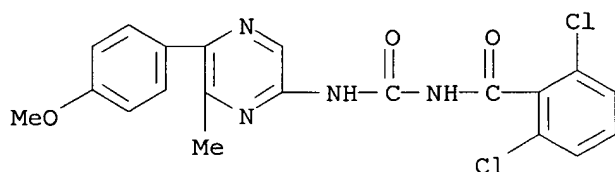
RN 59489-64-4 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-65-5 CAPLUS

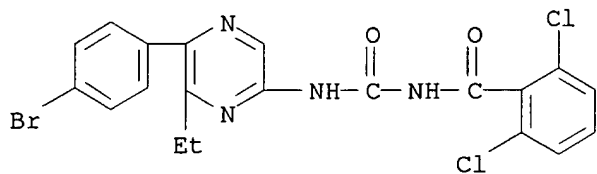
CN Benzamide, 2,6-dichloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-69-9 CAPLUS

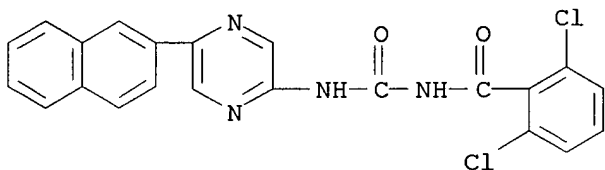
CN Benzamide, N-[[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)

V. Balasubramanian



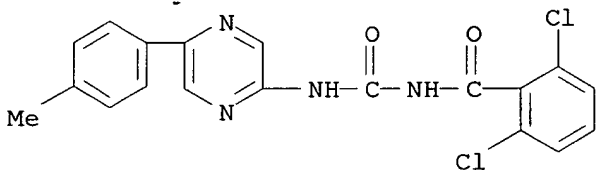
RN 59489-70-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2-naphthalenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



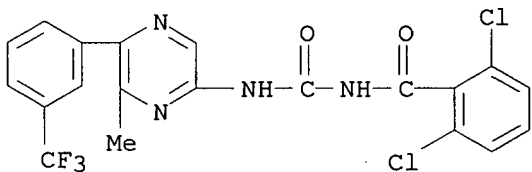
RN 65234-72-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



RN 69816-33-7 CAPLUS

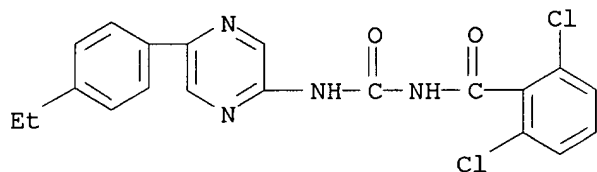
CN Benzamide, 2,6-dichloro-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 71544-70-2 CAPLUS

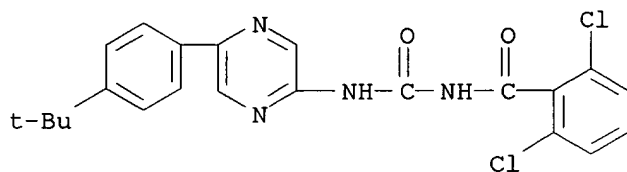
CN Benzamide, 2,6-dichloro-N-[[[5-(4-ethylphenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)

V. Balasubramanian



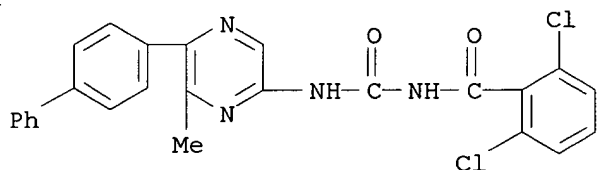
RN 71544-71-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-[4-(1,1-dimethylethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



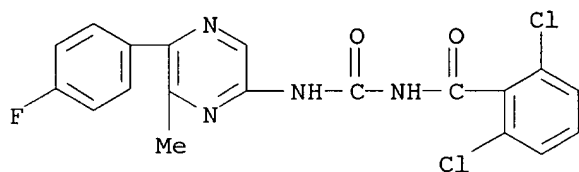
RN 71544-73-5 CAPLUS

CN Benzamide, N-[[[5-[1,1'-biphenyl]-4-yl-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 71544-74-6 CAPLUS

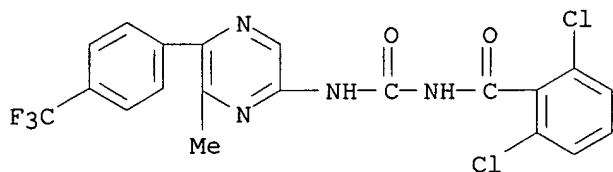
CN Benzamide, 2,6-dichloro-N-[[[5-(4-fluorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 71544-75-7 CAPLUS

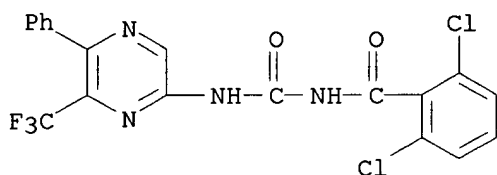
CN Benzamide, 2,6-dichloro-N-[[[6-methyl-5-[4-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



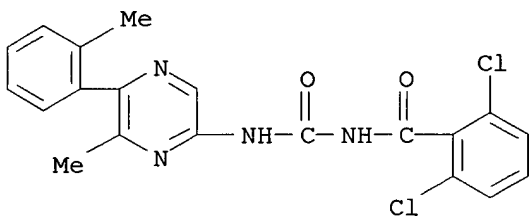
RN 71544-76-8 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-phenyl-6-(trifluoromethyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



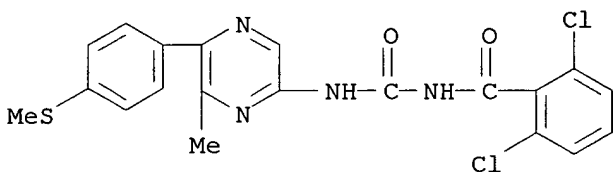
RN 71544-77-9 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[6-methyl-5-(2-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 71544-78-0 CAPLUS

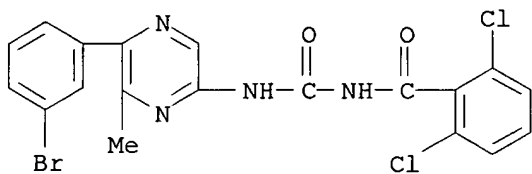
CN Benzamide, 2,6-dichloro-N-[[[6-methyl-5-[4-(methylthio)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 71544-79-1 CAPLUS

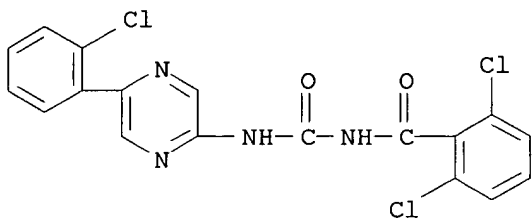
CN Benzamide, N-[[[5-(3-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)

V. Balasubramanian



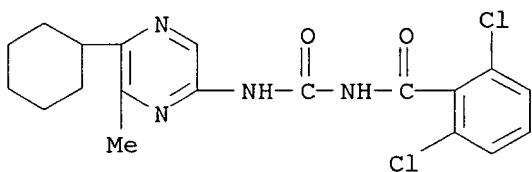
RN 71544-80-4 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2-chlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



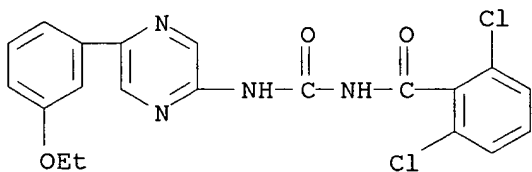
RN 71553-73-6 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(5-cyclohexyl-6-methylpyrazinyl)amino]carbonyl]-
(9CI) (CA INDEX NAME)



RN 71553-74-7 CAPLUS

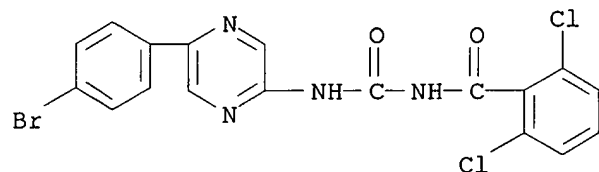
CN Benzamide, 2,6-dichloro-N-[[[5-(3-ethoxyphenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



RN 71553-75-8 CAPLUS

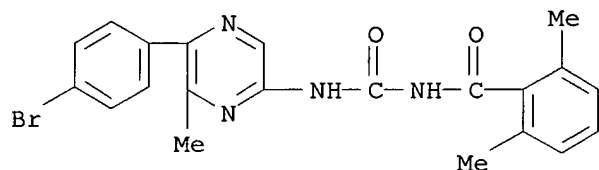
CN Benzamide, N-[[[5-(4-bromophenyl)pyrazinyl]amino]carbonyl]-2,6-dichloro-
(9CI) (CA INDEX NAME)

V. Balasubramanian



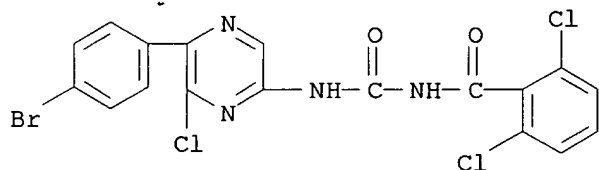
RN 71553-76-9 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dimethyl- (9CI) (CA INDEX NAME)



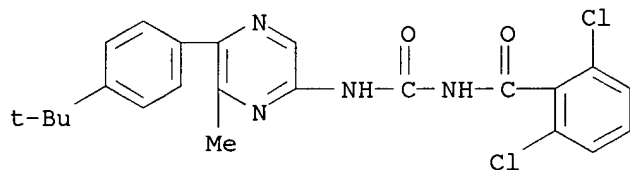
RN 71553-77-0 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-chloropyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 71562-67-9 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-[4-(1,1-dimethylethyl)phenyl]-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 34 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1979:535581 CAPLUS

DN 91:135581

TI Effect of a new molt inhibitor (EL-494) on the spruce budworm, Choristoneura fumiferana (Lepidoptera: Tortricidae)

AU Retnakaran, Arthur

CS Canadian For. Serv., Forest Pest Manage. Inst., Sault Ste Marie, ON, P6A 5M7, Can.

SO Canadian Entomologist (1979), 111(7), 847-50

V. Balasubramanian

CODEN: CAENAF; ISSN: 0008-347X

DT Journal

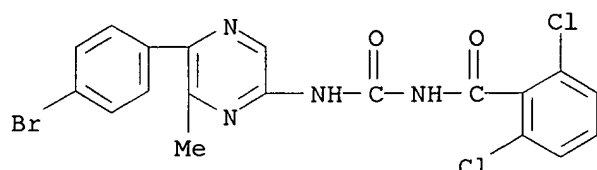
LA English

IT **59489-59-7**

RL: BIOL (Biological study)
(spruce budworm control by)

RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 35 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1979:451064 CAPLUS

DN 91:51064

TI Structure-activity relationships of benzoylphenyl ureas as toxicants and chitin synthesis inhibitors in *Oncopeltus fasciatus*

AU Hajjar, Nicolas P.; Casida, John E.

CS Dep. Entomol. Sci., Univ. California, Berkeley, CA, 94720, USA

SO Pesticide Biochemistry and Physiology (1979), 11(1), 33-45

CODEN: PCBPBS; ISSN: 0048-3575

DT Journal

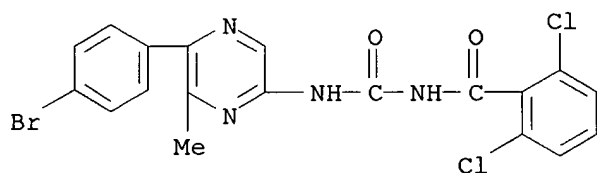
LA English

IT **59489-59-7**

RL: BIOL (Biological study)
(chitin formation inhibition by, in milkweed bug)

RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 36 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1979:401329 CAPLUS

DN 91:1329

TI Activity of seven chitin synthesis inhibitors against development of stored product insects

AU Kramer, Karl J.; McGregor, Harrison E.

CS Grain Mark. Res. Lab., Sci. Educ. Adm., Manhattan, KS, 66502, USA

SO Environmental Entomology (1979), 8(2), 274-6

CODEN: EVETBX; ISSN: 0046-225X

DT Journal

V. Balasubramanian

LA English

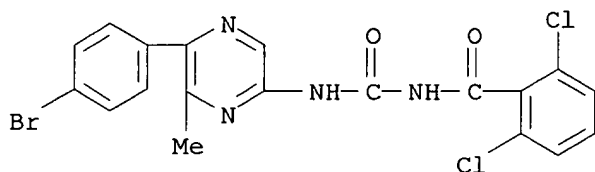
IT 59489-59-7

RL: PRP (Properties)

(toxicity of, to grain pest)

RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 37 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1979:152238 CAPLUS

DN 90:152238

TI 1-(Mono-o-substituted benzoyl)-3-(substituted pyrazinyl)ureas

IN Miesel, John Louis; Abdulla, Riaz Fazal; Terando, Norman Henry

PA Lilly, Eli, and Co., USA

SO Ger. Offen., 86 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2826893	A1	19790118	DE 1978-2826893	19780619
	US 4133956	A	19790109	US 1977-819639	19770727
	IL 54928	A1	19820228	IL 1978-54928	19780615
	IL 64263	A1	19820930	IL 1978-64263	19780615
	FR 2398738	A1	19790223	FR 1978-18187	19780616
	FR 2398738	B1	19810508		
	IN 149912	A	19820529	IN 1978-CA666	19780616
	BE 868228	A1	19781219	BE 1978-8936	19780619
	GB 2001053	A	19790124	GB 1978-27260	19780619
	GB 2001053	B2	19820526		
	AU 516505	B2	19810604	AU 1978-37249	19780619
	AU 7837249	A1	19800103		
	GB 2066806	A	19810715	GB 1980-19107	19780619
	GB 2066806	B2	19820818		
	AT 7804456	A	19811015	AT 1978-4456	19780619
	AT 367046	B	19820525		
	CA 1129861	A1	19820817	CA 1978-305703	19780619
	HU 23227	O	19820830	HU 1978-EI793	19780620
	HU 180726	B	19830429		
	RO 78069	P	19830803	RO 1978-94410	19780620
	HU 29287	O	19840130	HU 1982-1470	19780620
	HU 185336	B	19850128		
	DK 7802793	A	19781223	DK 1978-2793	19780621
	SE 7807127	A	19781223	SE 1978-7127	19780621
	NL 7806678	A	19781228	NL 1978-6678	19780621
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	ZA 7803553	A	19800227	ZA 1978-3553	19780621

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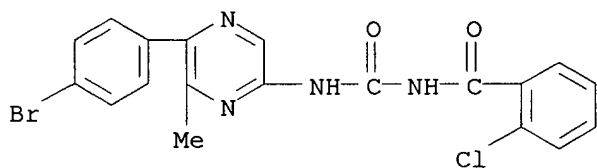
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SU 799662	D	19810123	SU 1978-2628947	19780621
CH 638500	A	19830930	CH 1978-6770	19780621
JP 54009288	A2	19790124	JP 1978-76343	19780622
ES 471057	A1	19800116	ES 1978-471057	19780622
DD 141831	C	19800521	DD 1978-206203	19780622
DD 143721	C	19800910	DD 1978-213690	19780622
PL 115711	B1	19810430	PL 1978-207831	19780622
ES 471879	A1	19790201	ES 1978-471879	19780719
CA 1103251	A1	19810616	CA 1978-308083	19780725
FR 2398739	A1	19790223	FR 1978-32550	19781117
FR 2398739	B1	19821105		
IL 64216	A1	19821231	IL 1979-64216	19790615
AT 8101716	A	19820415	AT 1981-1716	19810415
DK 8103054	A	19810709	DK 1981-3054	19810709
SE 8303206	A	19830607	SE 1983-3206	19830607
PRAI GB 1977-26093		19770622		
US 1977-819639		19770727		
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AT 1978-4456		19780619		
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DK 1978-2793		19780621		

IT **69816-57-5P 69816-59-7P 69816-60-0P**
69816-61-1P 69816-62-2P 69816-65-5P
69816-66-6P 69816-67-7P 69816-69-9P
69816-70-2P 69816-71-3P 69816-72-4P
69816-73-5P 69816-74-6P 69816-75-7P
69816-76-8P 69816-77-9P 69816-78-0P
69816-79-1P 69816-80-4P 69816-81-5P
69816-82-6P 69816-83-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and insecticidal activity of)

RN 69816-57-5 CAPLUS

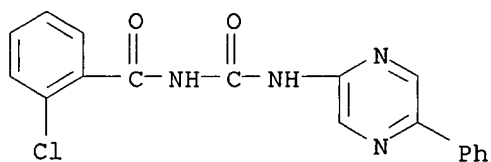
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-59-7 CAPLUS

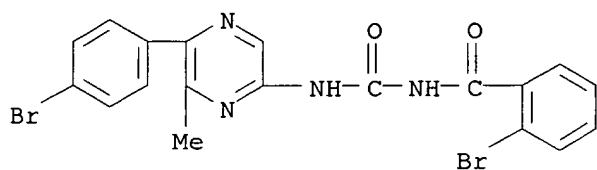
CN Benzamide, 2-chloro-N-[[(5-phenylpyrazinyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

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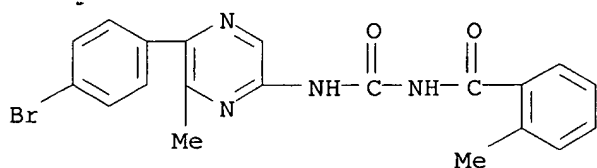
RN 69816-60-0 CAPLUS

CN Benzamide, 2-bromo-N-[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



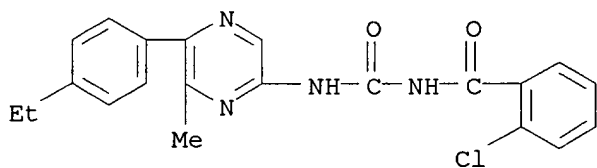
RN 69816-61-1 CAPLUS

CN Benzamide, N-[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)



RN 69816-62-2 CAPLUS

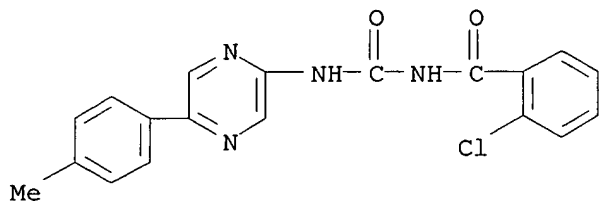
CN Benzamide, 2-chloro-N-[[5-(4-ethylphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-65-5 CAPLUS

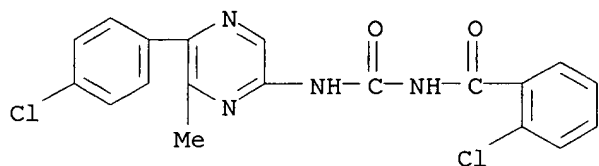
CN Benzamide, 2-chloro-N-[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



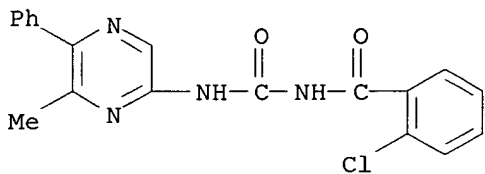
RN 69816-66-6 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



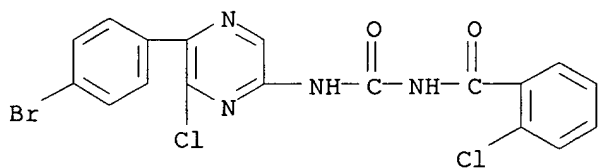
RN 69816-67-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-phenylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-69-9 CAPLUS

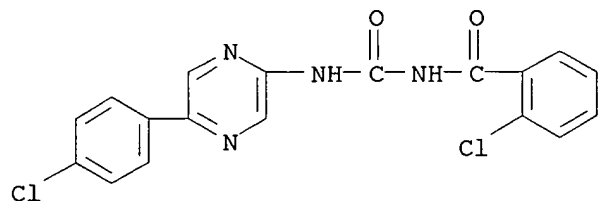
CN Benzamide, N-[[[5-(4-bromophenyl)-6-chloropyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-70-2 CAPLUS

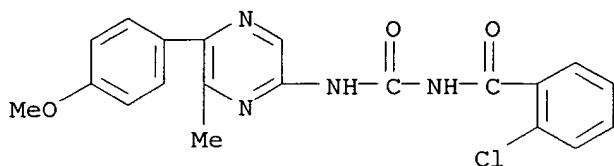
CN Benzamide, 2-chloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



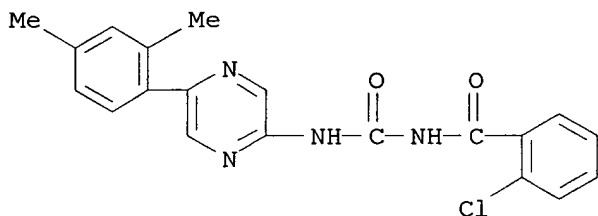
RN 69816-71-3 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



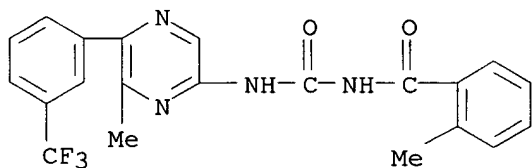
RN 69816-72-4 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-73-5 CAPLUS

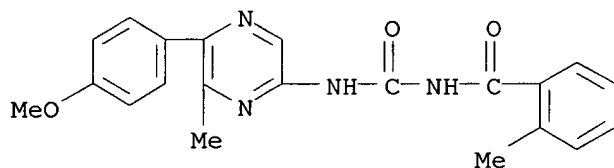
CN Benzamide, 2-methyl-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-74-6 CAPLUS

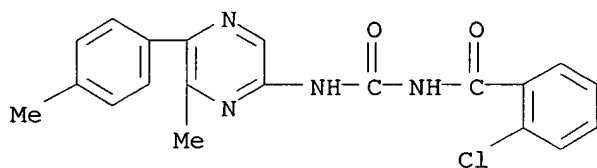
CN Benzamide, N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]-2-methyl- (9CI) (CA INDEX NAME)

V. Balasubramanian



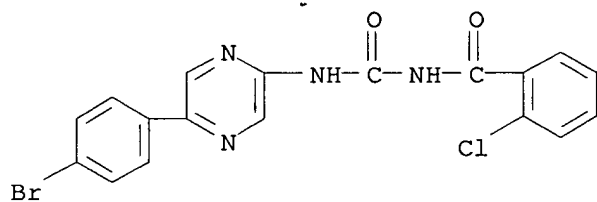
RN 69816-75-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-(4-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



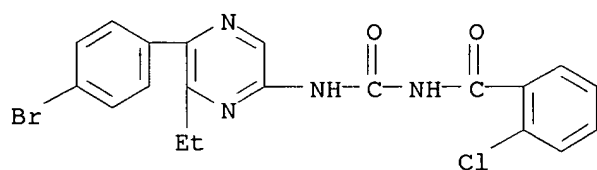
RN 69816-76-8 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)pyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



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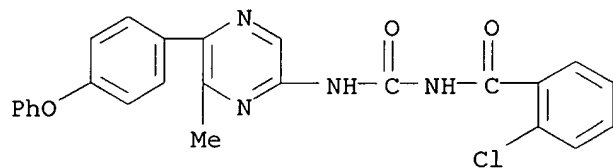
CN Benzamide, N-[[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



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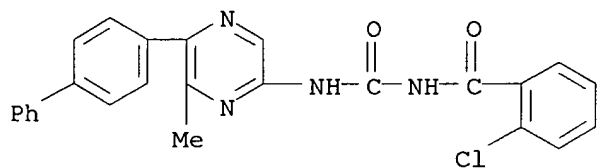
CN Benzamide, 2-chloro-N-[[[6-methyl-5-(4-phenoxyphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



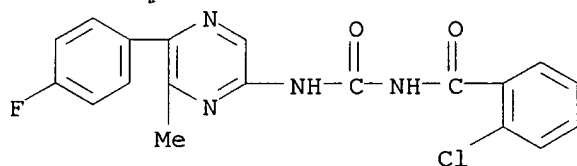
RN 69816-79-1 CAPLUS

CN Benzamide, N-[[5-[1,1'-biphenyl]-4-yl-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



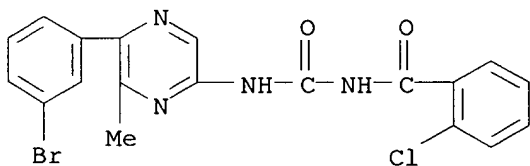
RN 69816-80-4 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-fluorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-81-5 CAPLUS

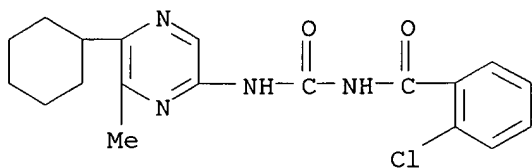
CN Benzamide, N-[[[5-(3-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2-chloro- (9CI) (CA INDEX NAME)



RN 69816-82-6 CAPLUS

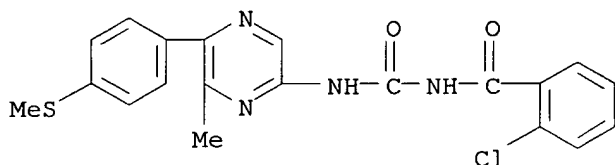
CN Benzamide, 2-chloro-N-[[[5-(cyclohexyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



RN 69816-83-7 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-[4-(methylthio)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



IT 59489-55-3P 59489-59-7P 69816-33-7P

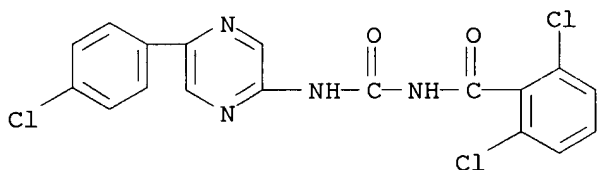
69816-84-8P 69816-85-9P 69816-86-0P

69816-87-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

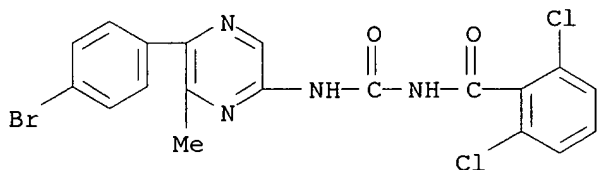
RN 59489-55-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-59-7 CAPLUS

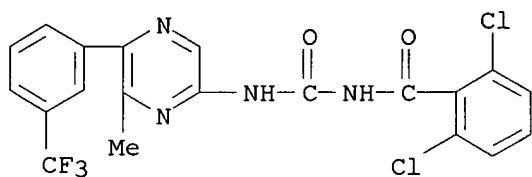
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 69816-33-7 CAPLUS

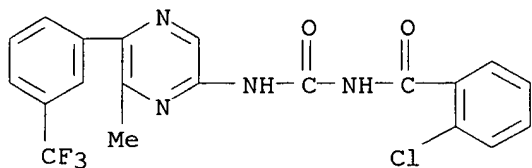
CN Benzamide, 2,6-dichloro-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



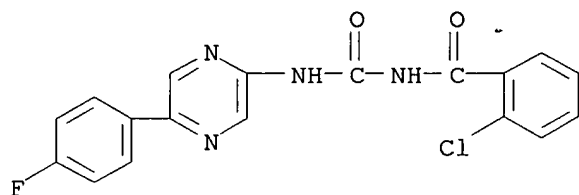
RN 69816-84-8 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



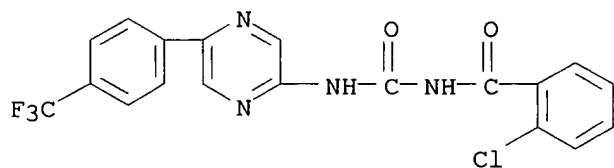
RN 69816-85-9 CAPLUS

CN Benzamide, 2-chloro-N-[[[5-(4-fluorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 69816-86-0 CAPLUS

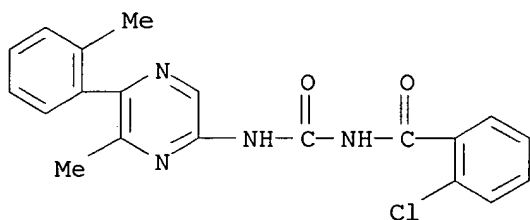
CN Benzamide, 2-chloro-N-[[[5-[4-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



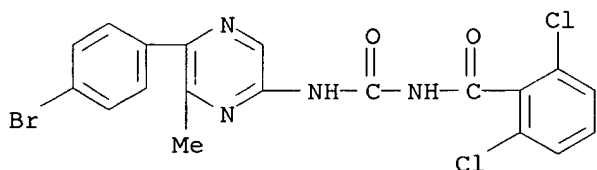
RN 69816-87-1 CAPLUS

CN Benzamide, 2-chloro-N-[[[6-methyl-5-(2-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



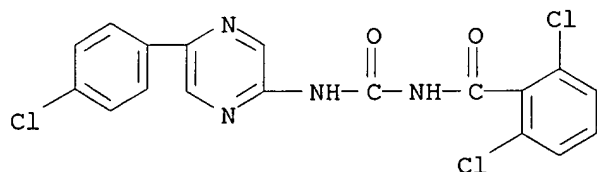
L5 ANSWER 38 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1979:133967 CAPLUS
DN 90:133967
TI Growth of *Heliothis armigera* larvae treated with a benzoylphenylurea derivative
AU Fytizas, E.
CS Lab. Physiol. Insects, Inst. Phytopathol., Athens, Greece
SO Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent (1978), 43(2 Pt. 1), 519-25
CODEN: MFLRA3; ISSN: 0368-9697
DT Journal
LA French
IT **59489-59-7**
RL: BIOL (Biological study)
(*Heliothis armigera* metamorphosis response to)
RN 59489-59-7 CAPLUS
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 39 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1979:1635 CAPLUS
DN 90:1635
TI Laboratory tests of diflubenzuron and four analogs against the pink bollworm and a field cage test with diflubenzuron and EL-494 for control of the pink bollworm and cotton leafperforator
AU Flint, H. M.; Smith, R. L.; Noble, J. M.; Shaw, D.; DeMilo, A. B.; Khalil, F.
CS West. Cotton Res. Lab., Sci. Educ. Adm., Phoenix, AZ, USA
SO Journal of Economic Entomology (1978), 71(4), 664-66
CODEN: JEENAI; ISSN: 0022-0493
DT Journal
LA English
IT **59489-55-3 59489-59-7**
RL: BIOL (Biological study)
(cotton pink bollworm control by)
RN 59489-55-3 CAPLUS

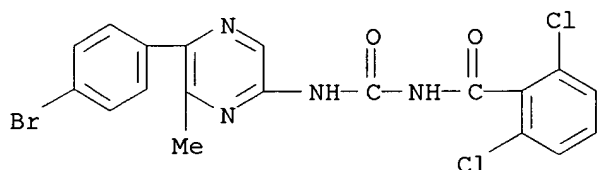
V. Balasubramanian

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



L5 ANSWER 40 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1978:509584 CAPLUS

DN 89:109584

TI Insecticidal 1-(substituted benzoyl)-3-(substituted pyrazinyl)ureas

IN Miesel, John Louis

PA Lilly, Eli, and Co., USA

SO U.S., 15 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4083977	A	19780411	US 1976-742948	19761118
	US 3984137	A	19761005	US 1975-595504	19750714
	AT 7705635	A	19800615	AT 1977-5635	19770729
	AT 360800	B	19810126		
PRAI	US 1974-507492		19740919		
	US 1975-595504		19750714		
	AT 1975-7146		19750917		

IT **59489-43-9P 59489-51-9P 59489-52-0P**

59489-55-3P 59489-57-5P 59489-59-7P

59489-62-2P 59489-63-3P 59489-64-4P

59489-69-9P 65234-72-2P

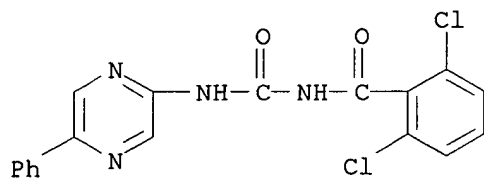
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and insecticidal activity of)

RN 59489-43-9 CAPLUS

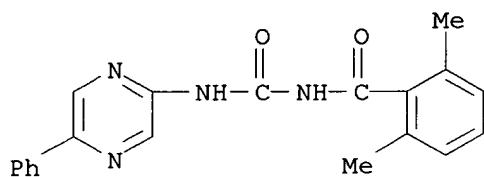
CN Benzamide, 2,6-dichloro-N-[[[5-phenylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



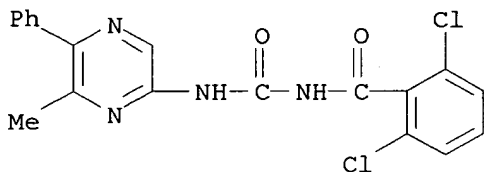
RN 59489-51-9 CAPLUS

CN Benzamide, 2,6-dimethyl-N-[[5-phenylpyrazinyl]amino]carbonyl- (9CI) (CA INDEX NAME)



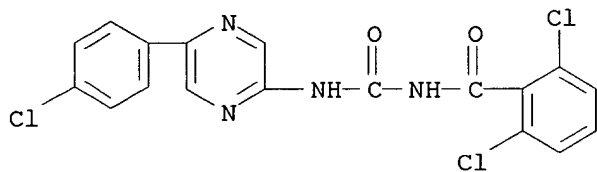
RN 59489-52-0 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[6-methyl-5-phenylpyrazinyl]amino]carbonyl- (9CI) (CA INDEX NAME)



RN 59489-55-3 CAPLUS

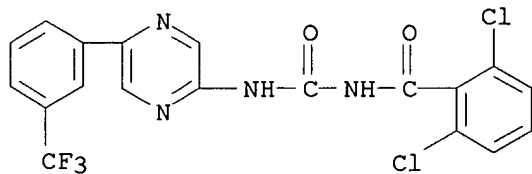
CN Benzamide, 2,6-dichloro-N-[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl- (9CI) (CA INDEX NAME)



RN 59489-57-5 CAPLUS

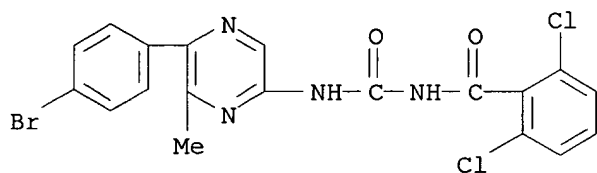
CN Benzamide, 2,6-dichloro-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl- (9CI) (CA INDEX NAME)

V. Balasubramanian



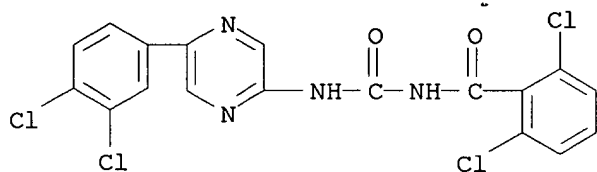
RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



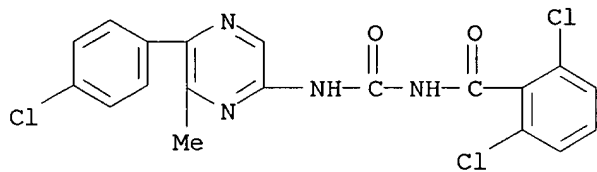
RN 59489-62-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(3,4-dichlorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-63-3 CAPLUS

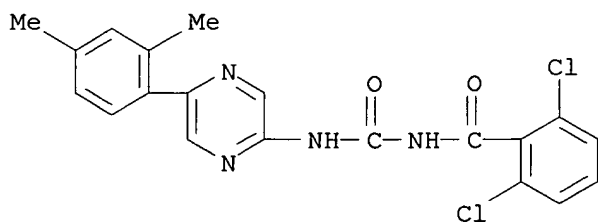
CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-64-4 CAPLUS

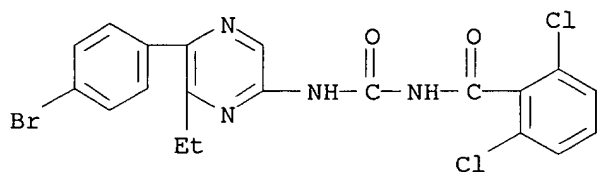
CN Benzamide, 2,6-dichloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



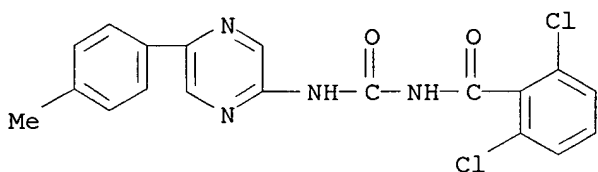
RN 59489-69-9 CAPLUS

CN Benzamide, N-[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 65234-72-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

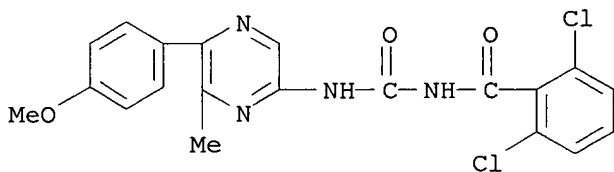


IT 59489-65-5P 59489-70-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 59489-65-5 CAPLUS

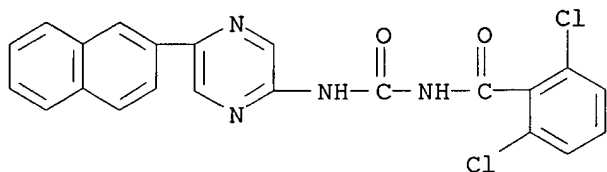
CN Benzamide, 2,6-dichloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-70-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2-naphthalenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



L5 ANSWER 41 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1978:50924 CAPLUS

DN 88:50924

TI 1-Benzoyl-3-pyrazinylureas

PA Lilly, Eli, and Co., USA

SO Jpn. Kokai Tokkyo Koho, 24 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 52010285	A2	19770126	JP 1976-1426	19760101
PRAI	US 1975-595904		19750714		

IT **59489-43-9P 59489-51-9P 59489-55-3P**

59489-57-5P 59489-59-7P 59489-62-2P

59489-63-3P 59489-64-4P 59489-65-5P

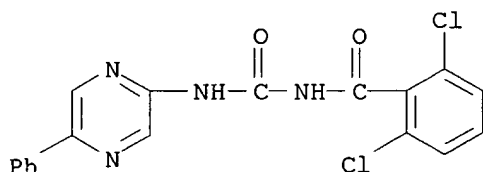
59489-69-9P 59489-70-2P 65234-72-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and insecticidal activity of)

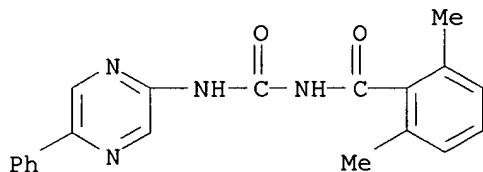
RN 59489-43-9 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[(5-phenylpyrazinyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-51-9 CAPLUS

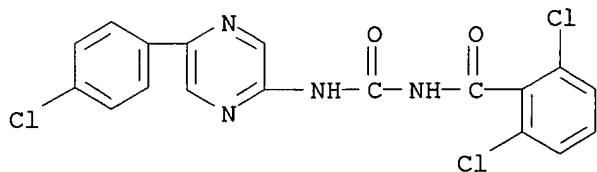
CN Benzamide, 2,6-dimethyl-N-[[(5-phenylpyrazinyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-55-3 CAPLUS

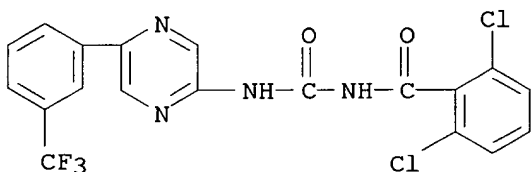
V. Balasubramanian

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



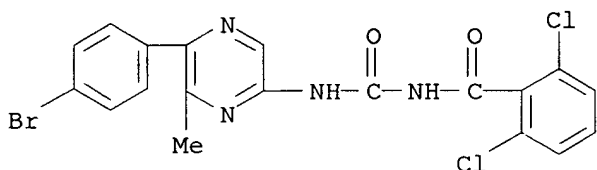
RN 59489-57-5 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



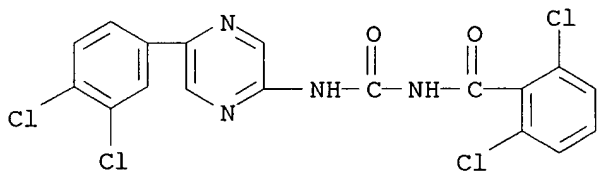
RN 59489-59-7 CAPLUS

CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 59489-62-2 CAPLUS

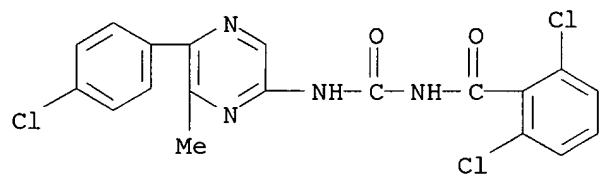
CN Benzamide, 2,6-dichloro-N-[[[5-(3,4-dichlorophenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-63-3 CAPLUS

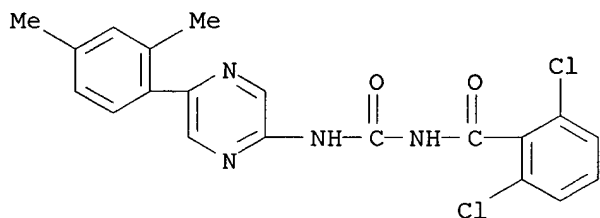
CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



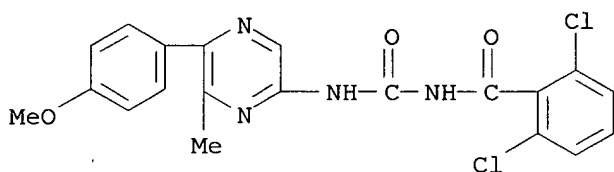
RN 59489-64-4 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



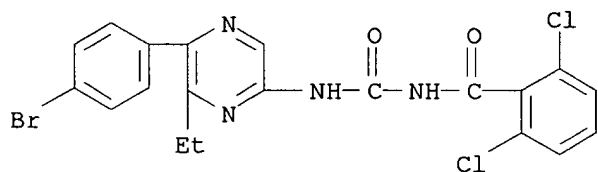
RN 59489-65-5 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-69-9 CAPLUS

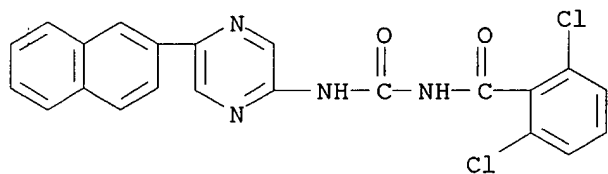
CN Benzamide, N-[[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)



RN 59489-70-2 CAPLUS

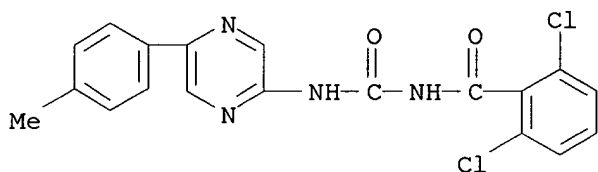
CN Benzamide, 2,6-dichloro-N-[[[5-(2-naphthalenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

V. Balasubramanian



RN 65234-72-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-methylphenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



L5 ANSWER 42 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1976:421468 CAPLUS

DN 85:21468

TI 1-(Substituted benzoyl)-3-(substituted pyrazinyl)ureas

IN Miesel, John-L.

PA Lilly, Eli, and Co., USA

SO Ger. Offen., 70 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2541116	A1	19760408	DE 1975-2541116	19750915
	DE 2541116	C2	19850718		
	IN 142286	A	19770618	IN 1975-CA1744	19750910
	BE 833288	A1	19760311	BE 1975-1006877	19750911
	IL 48092	A1	19790312	IL 1975-48092	19750912
	AU 7584845	A1	19770324	AU 1975-84845	19750915
	GB 1521714	A	19780816	GB 1975-37933	19750916
	CA 1070308	A1	19800122	CA 1975-235561	19750916
	NL 7510901	A	19760323	NL 1975-10901	19750917
	ZA 7505945	A	19770427	ZA 1975-5945	19750917
	AT 7507146	A	19771015	AT 1975-7146	19750917
	CS 195710	P	19800229	CS 1975-6298	19750917
	DK 7504195	A	19760320	DK 1975-4195	19750918
	SE 7510474	A	19760322	SE 1975-10474	19750918
	SE 426066	B	19821206		
	SE 426066	C	19830317		
	PL 102954	P	19790531	PL 1975-197527	19750918
	PL 106054	P	19791130	PL 1975-183470	19750918
	CH 617192	A	19800514	CH 1975-12147	19750918
	HU 19446	O	19810228	HU 1975-EI646	19750918
	HU 177200	P	19810828		
	JP 51056480	A2	19760518	JP 1975-114226	19750919

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BR 7506073	A	19760803	BR 1975-6073	19750919
FR 2299327	A1	19760827	FR 1975-28772	19750919
FR 2299327	B1	19780407		
DD 123341	C	19761212	DD 1975-188451	19750919
ES 441124	A1	19770616	ES 1975-441124	19750919
DD 128762	C	19771207	DD 1975-196898	19750919
SU 662011	D	19790505	SU 1975-2171811	19750919
SU 660566	D	19790430	SU 1976-2380308	19760709
AT 7705635	A	19800615	AT 1977-5635	19770729
AT 360800	B	19810126		
SE 7806517	A	19780602	SE 1978-6517	19780602
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AT 1975-7146		19750917		

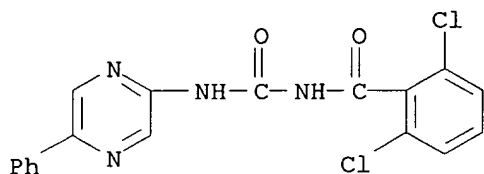
IT **59489-43-9P 59489-51-9P 59489-52-0P**
59489-55-3P 59489-57-5P 59489-59-7P
59489-62-2P 59489-63-3P 59489-64-4P
59489-65-5P 59489-69-9P 59489-70-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(prepn. and insecticidal activity of)

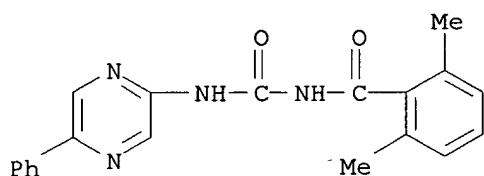
RN 59489-43-9 CAPLUS

CN Benzamide, 2,6-dichloro-N-[(5-phenylpyrazinyl)amino]carbonyl- (9CI) (CA INDEX NAME)



RN 59489-51-9 CAPLUS

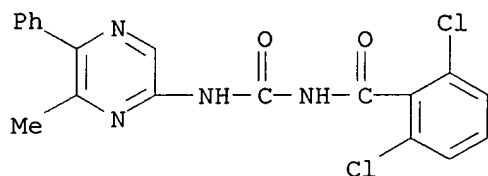
CN Benzamide, 2,6-dimethyl-N-[(5-phenylpyrazinyl)amino]carbonyl- (9CI) (CA INDEX NAME)



RN 59489-52-0 CAPLUS

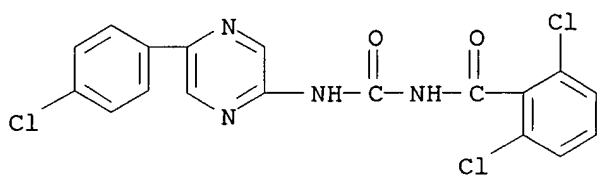
CN Benzamide, 2,6-dichloro-N-[(6-methyl-5-phenylpyrazinyl)amino]carbonyl- (9CI) (CA INDEX NAME)

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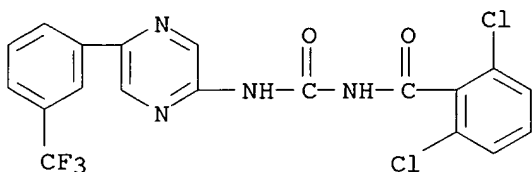
RN 59489-55-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



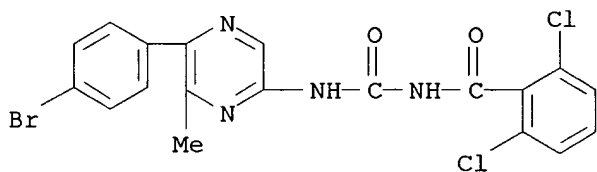
RN 59489-57-5 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-[3-(trifluoromethyl)phenyl]pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



RN 59489-59-7 CAPLUS

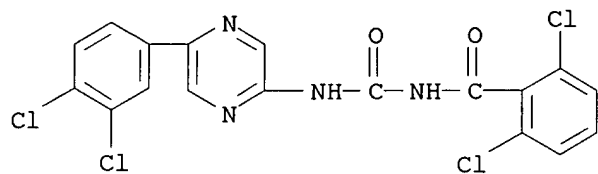
CN Benzamide, N-[[[5-(4-bromophenyl)-6-methylpyrazinyl]amino]carbonyl]-2,6-dichloro-
(9CI) (CA INDEX NAME)



RN 59489-62-2 CAPLUS

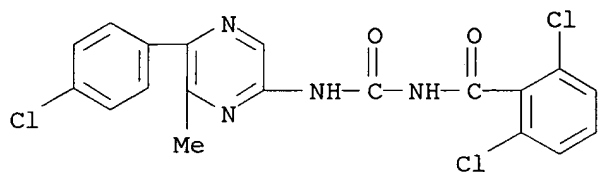
CN Benzamide, 2,6-dichloro-N-[[[5-(3,4-dichlorophenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)

V. Balasubramanian



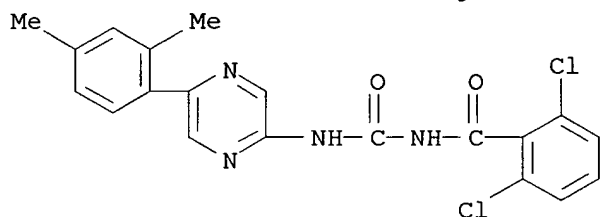
RN 59489-63-3 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(4-chlorophenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



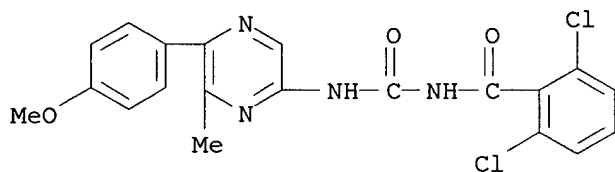
RN 59489-64-4 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2,4-dimethylphenyl)pyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-65-5 CAPLUS

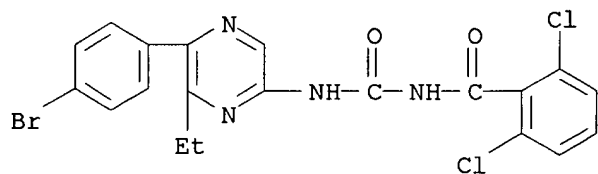
CN Benzamide, 2,6-dichloro-N-[[[5-(4-methoxyphenyl)-6-methylpyrazinyl]amino]carbonyl]- (9CI) (CA INDEX NAME)



RN 59489-69-9 CAPLUS

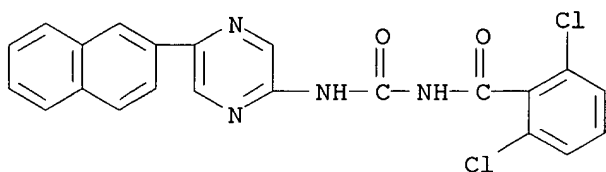
CN Benzamide, N-[[[5-(4-bromophenyl)-6-ethylpyrazinyl]amino]carbonyl]-2,6-dichloro- (9CI) (CA INDEX NAME)

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RN 59489-70-2 CAPLUS

CN Benzamide, 2,6-dichloro-N-[[[5-(2-naphthalenyl)pyrazinyl]amino]carbonyl]-
(9CI) (CA INDEX NAME)



L5 ANSWER 43 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 1970:3468 CAPLUS

DN 72:3468

TI Synthesis of the furan derivatives. XLVII. Synthesis of
5,6-bis(5-nitro-2-furyl)-2-aminopyrazine and its related compound

AU Saikachi, Haruo; Matsuo, Junro

CS Fac. Pharm. Sci., Kyushu Univ., Fukuoka, Japan

SO Yakugaku Zasshi (1969), 89(8), 1071-7

CODEN: YKKZAJ; ISSN: 0031-6903

DT Journal

LA Japanese

IT 24803-34-7P 24803-35-8P 24803-36-9P

24803-37-0P 24803-41-6P 24803-42-7P

24803-43-8P 24803-44-9P 24803-45-0P

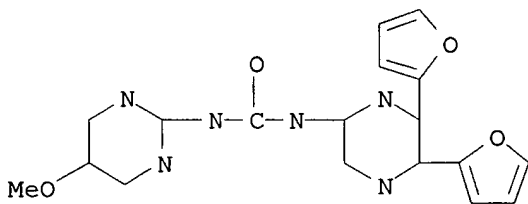
24830-27-1P 24830-28-2P 24830-30-6P

24830-31-7P 26162-49-2P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 24803-34-7 CAPLUS

CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-(5-methoxy-2-pyrimidinyl)- (8CI) (CA
INDEX NAME)



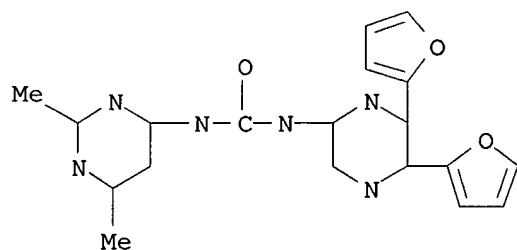
*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24803-35-8 CAPLUS

CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-(2,6-dimethyl-4-pyrimidinyl)- (8CI)

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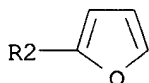
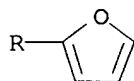
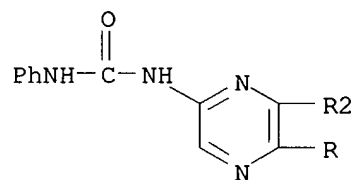
(CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

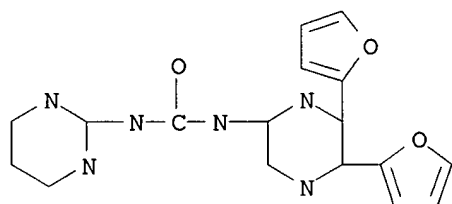
RN 24803-36-9 CAPLUS

CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-phenyl- (8CI) (CA INDEX NAME)



RN 24803-37-0 CAPLUS

CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-(2-pyrimidinyl)- (8CI) (CA INDEX NAME)

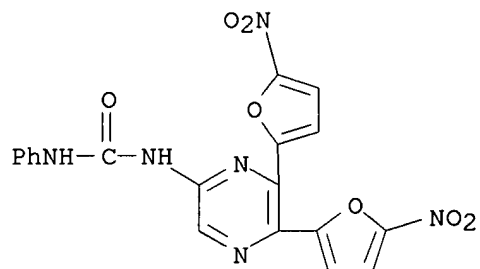


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24803-41-6 CAPLUS

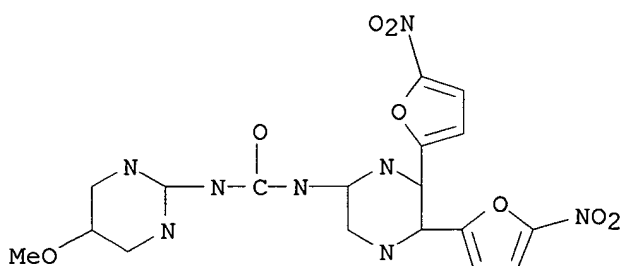
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-phenyl- (8CI) (CA INDEX NAME)

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RN 24803-42-7 CAPLUS

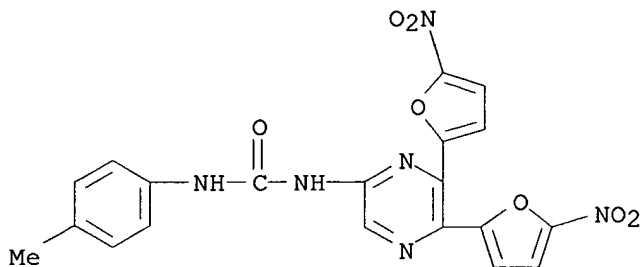
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-(5-methoxy-2-pyrimidinyl)-
(8CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24803-43-8 CAPLUS

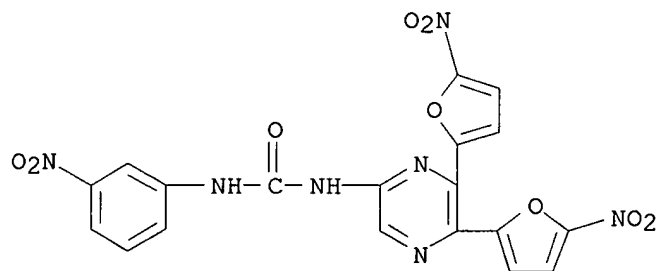
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-p-tolyl- (8CI) (CA INDEX
NAME)



RN 24803-44-9 CAPLUS

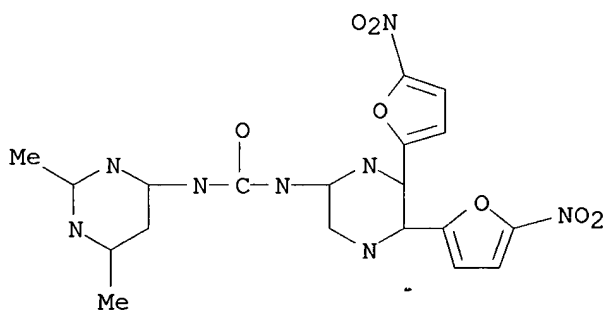
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-(m-nitrophenyl)- (8CI) (CA
INDEX NAME)

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RN 24803-45-0 CAPLUS

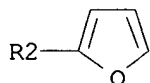
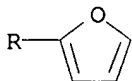
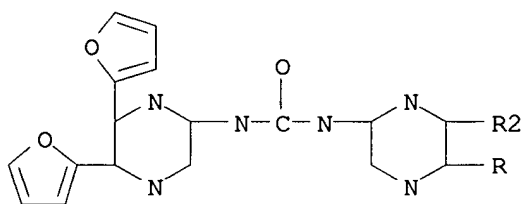
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-(2,6-dimethyl-4-pyrimidinyl)-
(8CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24830-27-1 CAPLUS

CN Urea, 1,3-bis(5,6-di-2-furylpyrazinyl)- (8CI) (CA INDEX NAME)

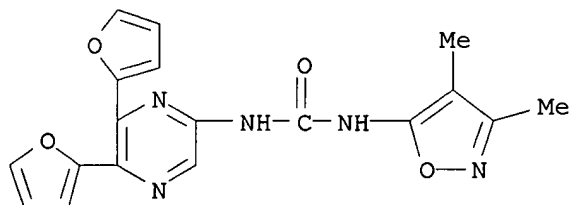


*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24830-28-2 CAPLUS

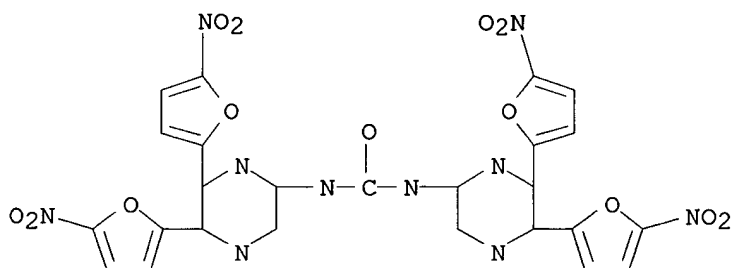
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CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-(3,4-dimethyl-5-isoxazolyl)- (8CI)
(CA INDEX NAME)



RN 24830-30-6 CAPLUS

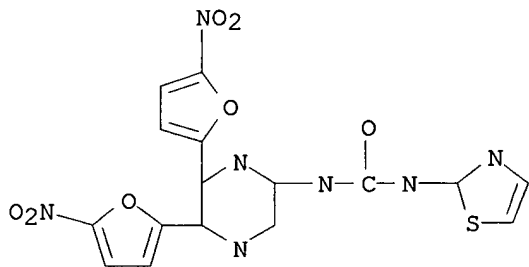
CN Urea, 1,3-bis[5,6-bis(5-nitro-2-furyl)pyrazinyl]- (8CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

RN 24830-31-7 CAPLUS

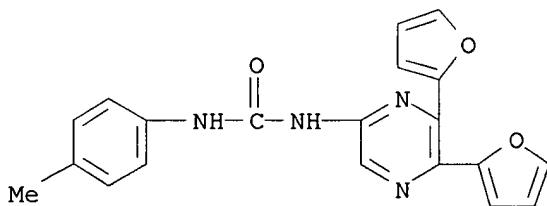
CN Urea, 1-[5,6-bis(5-nitro-2-furyl)pyrazinyl]-3-(2-thiazolyl)- (8CI) (CA INDEX NAME)



*** FRAGMENT DIAGRAM IS INCOMPLETE ***

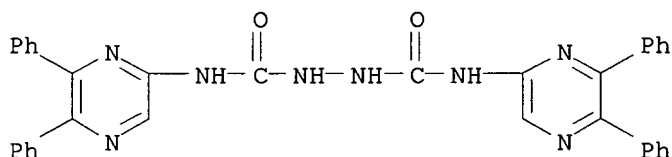
RN 26162-49-2 CAPLUS

CN Urea, 1-(5,6-di-2-furylpyrazinyl)-3-p-tolyl- (8CI) (CA INDEX NAME)

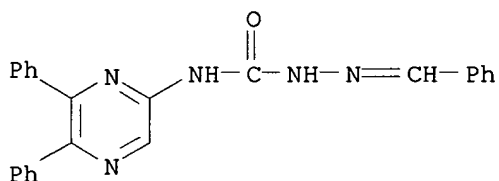


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L5 ANSWER 44 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1967:2536 CAPLUS
DN 66:2536
TI s-Triazolopyrazines
AU Mallett, S. Edward; Rose, Francis Leslie
CS Univ. Manchester, Manchester, UK
SO Journal of the Chemical Society [Section] C: Organic (1966), (22),
2038-43
CODEN: JSOOAX; ISSN: 0022-4952
DT Journal
LA English
IT **13258-21-4P 14399-23-6P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and spectrum of)
RN 13258-21-4 CAPLUS
CN Biurea, 1,6-bis(5,6-diphenylpyrazinyl)- (8CI) (CA INDEX NAME)

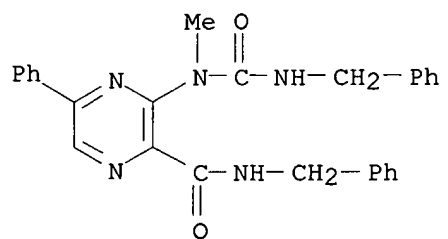


RN 14399-23-6 CAPLUS
CN Benzaldehyde, 4-(5,6-diphenylpyrazinyl)semicarbazone (8CI) (CA INDEX NAME)



L5 ANSWER 45 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 1959:62650 CAPLUS
DN 53:62650
OREF 53:11391c-i
TI Pteridine derivatives. VI. Aminolysis of a pteridone
AU Dick, G. P. G.; Livingston, D.; Wood, H. C. S.
CS Roy. Coll. of Sci. and Technol., Glasgow, UK
SO J. Chem. Soc. (1958) 3730-1
DT Journal
LA Unavailable
IT **122594-67-6**, Urea, 3-benzyl-1-[3-(benzylcarbamoyl)-6-phenylpyrazinyl]-1-methyl-
(prepn. of)
RN 122594-67-6 CAPLUS
CN Urea, 3-benzyl-1-[3-(benzylcarbamoyl)-6-phenylpyrazinyl]-1-methyl- (6CI)
(CA INDEX NAME)

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

141.22

289.98

STN INTERNATIONAL LOGOFF AT 17:47:09 ON 07 MAY 2003